MEDICAL COLLEGE OF GEORGIA

CATALOG

1970-1971

Catalog of

MEDICAL COLLEGE OF GEORGIA

1459 Gwinnett Street

Augusta, Georgia 30902

Volume 57 **No. 1**

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"An Equal Educational Opportunity Institution."

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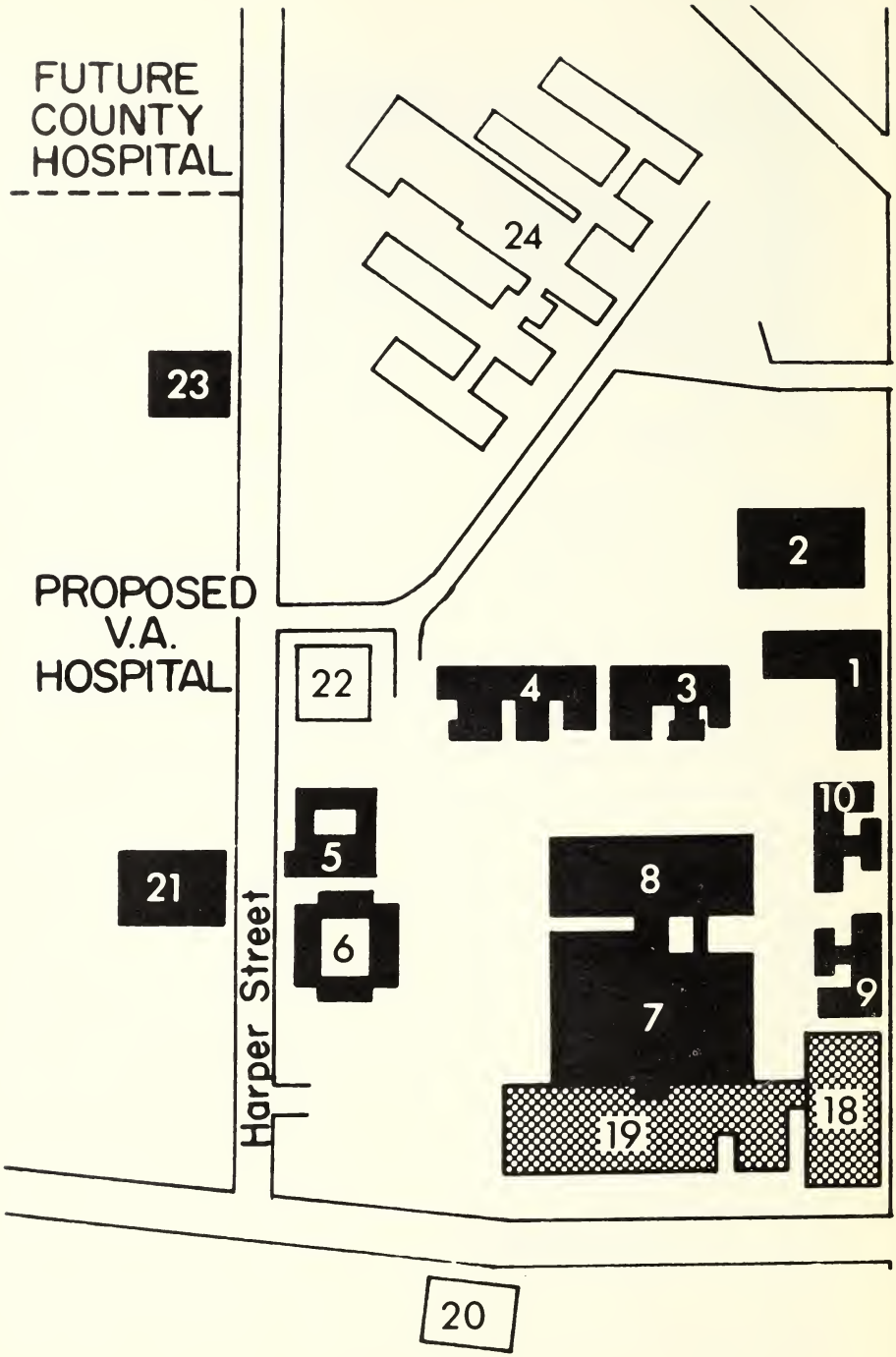
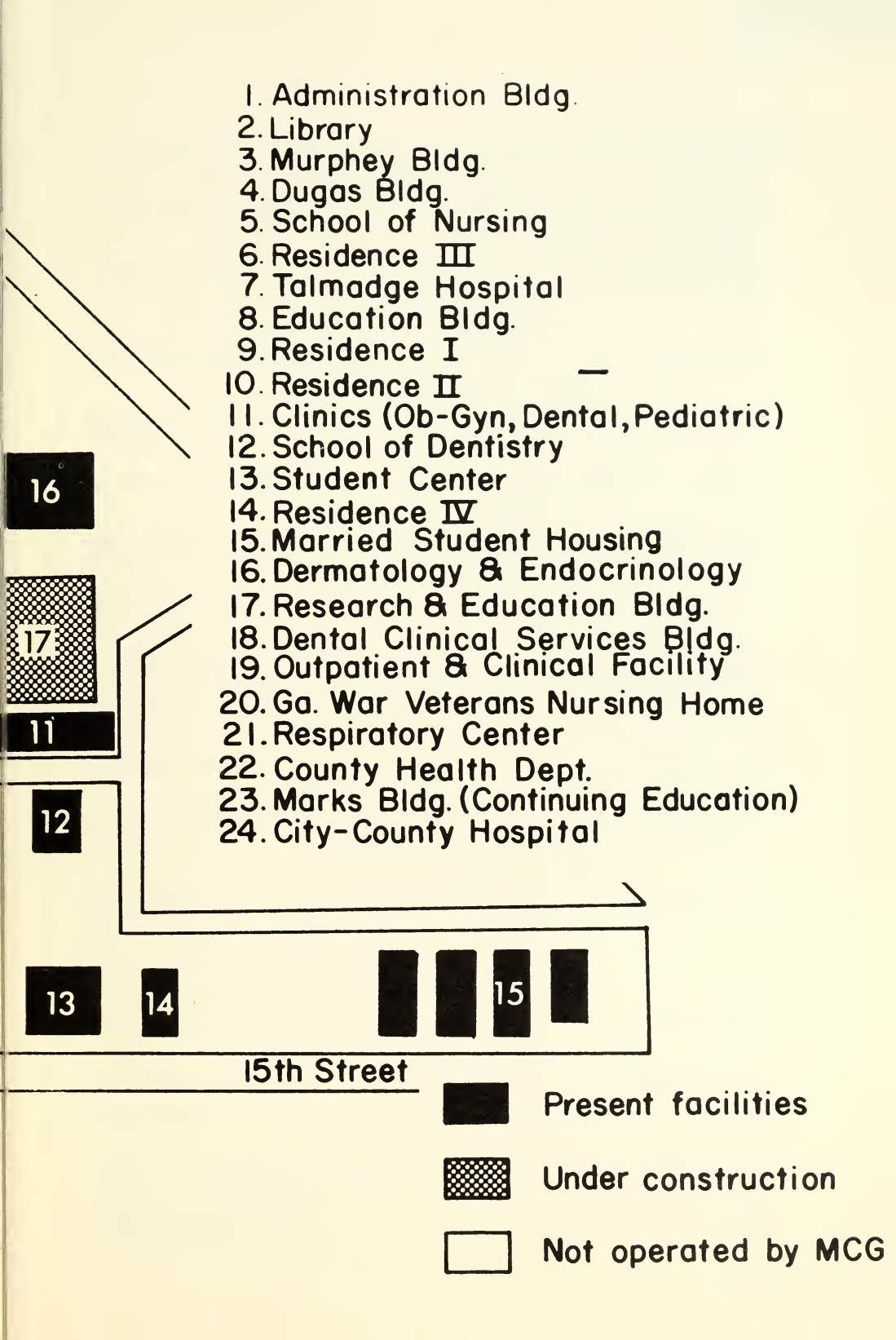


PRESENT AND PROJECTED BUILDINGS
OF THE MEDICAL COLLEGE OF GEORGIA AND
RELATED HEALTH FACILITIES


1. Administration Bldg.
2. Library
3. Murphey Bldg.
4. Dugas Bldg.
5. School of Nursing
6. Residence III
7. Talmadge Hospital
8. Education Bldg.
9. Residence I
10. Residence II
11. Clinics (Ob-Gyn, Dental, Pediatric)
12. School of Dentistry
13. Student Center
14. Residence IV
15. Married Student Housing
16. Dermatology & Endocrinology
17. Research & Education Bldg.
18. Dental Clinical Services Bldg.
19. Outpatient & Clinical Facility
20. Ga. War Veterans Nursing Home
21. Respiratory Center
22. County Health Dept.
23. Marks Bldg. (Continuing Education)
24. City-County Hospital
16
17
11
12
13
14
15
15th Street
Present facilities
Under construction
Not operated by MCG

Fall Quarter, 1970

September 7	Last day to complete graduate or undergraduate application for Fall enrollment.
September 2	First year Medical and Dental students orientation
*September 2	First year Medical and Dental students registration and Graduate students who will be studying Anatomy.
*September 3	Second year Medical and Dental student registration.
September 3	First year Medical and Dental students classes begin.
*September 3 & 4	Third and fourth year Medical students pay fees.
September 4	Second year Medical and Dental student classes begin.
September 27	New undergraduate students report to Residence Halls.
September 28	New student orientation.
*September 28	Freshmen, new transfer undergraduates, and other students who take classes at Augusta College will register.
September 28	All remaining undergraduates report to Residence Halls.
*September 29	Undergraduate and all remaining graduate students register.
*September 29	Students who will take classes at Augusta College will register. (Note: All students who desire to take any course at any other institution while enrolled at the Medical College must consult with the Registrar).
September 30	Exemption exams (optional) in U. S. and Georgia History and U.S. and Georgia Constitutions.
September 30	All remaining classes begin.
October 7	Last day for schedule change or late registration.
November 4	Last day to drop a course without penalty.
November 26 - 29	Thanksgiving Holidays.
December 14 - 16	Final Examinations.

December 16 ..... Quarter ends for graduate and undergraduate divisions.

December 17 - January 3 ..... Christmas holidays for graduate and undergraduate divisions.

December 21 - January 3 ..... Christmas holidays for first and second year Medical and Dental students.

Winter Quarter, 1971

December 14 ..... Last day to complete graduate or undergraduate applications for Winter quarter.

*January 4 ..... Graduate and undergraduate registration.

January 4 ..... Students who will take classes at Augusta College will register there.

January 5 ..... Exemption exams (optional) in U.S. and Georgia History and U.S. and Georgia Constitutions.

January 5 ..... Graduate and Undergraduate classes begin.

*January 6 ..... First and second year Medical and Dental students register.

*January 7 ..... Third and fourth year Medical students pay fees.

January 11 ..... Last day for schedule change or late registration.

February 8 ..... Last day to drop a course without penalty.

March 15 - 17 ..... Final Examinations.

March 17 ..... Quarter ends.

March 18 - 21 ..... Spring recess.

Spring Quarter, 1971

March 1 ..... Last day to complete graduate or undergraduate application for Spring quarter.

*March 22 ..... Graduate and undergraduate registration.

March 22 ..... Students who will take classes at Augusta College will register there.

March 23 ..... Graduate and undergraduate classes begin.

*March 24 ..... First and second year Medical and Dental students register.

March 25 ..... Third and fourth year Medical students pay fees.

March 29 ..... Last day for schedule change or late registration.

April 9 - 11 ..... Easter holidays (Undergraduates).

April 28 ..... Last day to drop a course without penalty.

May 28 ..... All classes end.

May 31 - June 2 ..... Final Examinations.

June 2 ..... Quarter ends.

June 5 ..... Graduation.

Summer Quarter, 1971

May 18 ..... Last day to complete graduate or undergraduate application for summer quarter.

May 31 ..... Third and fourth year Medical students—instruction begins.

*June 2 ..... Registration for medical students who will attend summer school.

*June 7 ..... Registration for undergraduate and graduate students.

June 9 ..... Classes begin.

June 14 ..... Last day for schedule change or late registration.

July 13 ..... Last day to drop a course without penalty.

August 16 - 18 ..... Final Examinations.

August 18 ..... Quarter ends.

*These are official registration days. If for any reason you are unable to register and pay fees on the date scheduled for your class, you should inform the Registrar of the nature of your inability.

BOARD OF REGENTS
UNIVERSITY SYSTEM OF GEORGIA

District	*Regent*	*Address*
State-at-Large	Roy V. Harris *Until January 1, 1974*	Augusta
State-at-Large	Jack Adair *Until January 1, 1971*	Atlanta
State-at-Large	William S. Morris, III *Until January 1, 1974*	Augusta
State-at-Large	John A. Bell, Jr., M.D. *Until January 1, 1977*	Dublin
State-at-Large	Carey Williams *Until January 1, 1976*	Greensboro
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Second	John I. Spooner *Until January 1, 1975*	Donalsonville
Third	T. Hiram Stanley *Until January 1, 1972*	Columbus
Fourth	John R. Richardson *Until January 1, 1977*	Conyers
Fifth	W. Lee Burge *Until January 1, 1975*	Atlanta
Sixth	James C. Owen, Jr. *Until January 1, 1971*	Griffin
Seventh	James V. Carmichael *Until January 1, 1973*	Marietta
Eighth	John W. Langdale *Until January 1, 1971*	Valdosta
Ninth	James A. Dunlap *Until January 1, 1973*	Gainesville
Tenth	G. L. Dickens, Jr. *Until January 1, 1972*	Milledgeville

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MEDICAL COLLEGE OF GEORGIA

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Vice President and Treasurer	James A. Blissit
Comptroller	Thomas N. Dwyer, Ll.B.
Director of Purchasing	Willard W. Prior
Dean, School of Graduate Studies	Francis J. Behal, Ph.D.
Dean, School of Medicine	Christopher C. Fordham, M.D.
Dean, School of Dentistry	Judson C. Hickey, D.D.S.
Dean, School of Nursing	E. Louise Grant, M.A.
Dean, School of Allied Health Sciences (acting)	Raymond C. Bard, Ph.D.
Medical Director, Eugene Talmadge Memorial Hospital	Christopher C. Fordham, M.D.

MEDICAL COLLEGE OF GEORGIA Cont.

Administrator, Eugene Talmadge Memorial Hospital—Walter W. Diggs, M.H.A.

Director of Hospital Research and Development—Rufus F. Payne, M.D.

Director, Division of Educational Research and Development—W. Loren Williams, Ph.D.

Medical Director of Continuing Education—Glen E. Garrison, M.D.

Director of the Computer Center—Charles B. Bragassa, Ph.D.

Coordinator of Research—Raymond P. Ahlquist, Ph.D.

Director, Division of Health Communications—James H. R. Sutherland, Ph.D.

Director of Institutional Relations—James C. Austin, B.D.

Librarian—Sadie H. Rainsford, A.B.

Registrar—George M. Martin, M.A.

Director of Women's Activities—Shirley K. Rodgers, M.Ed.

Director, Student Affairs—James B. Puryear, Ph.D.

Director of Financial Aid—David W. Johnson, B.A.

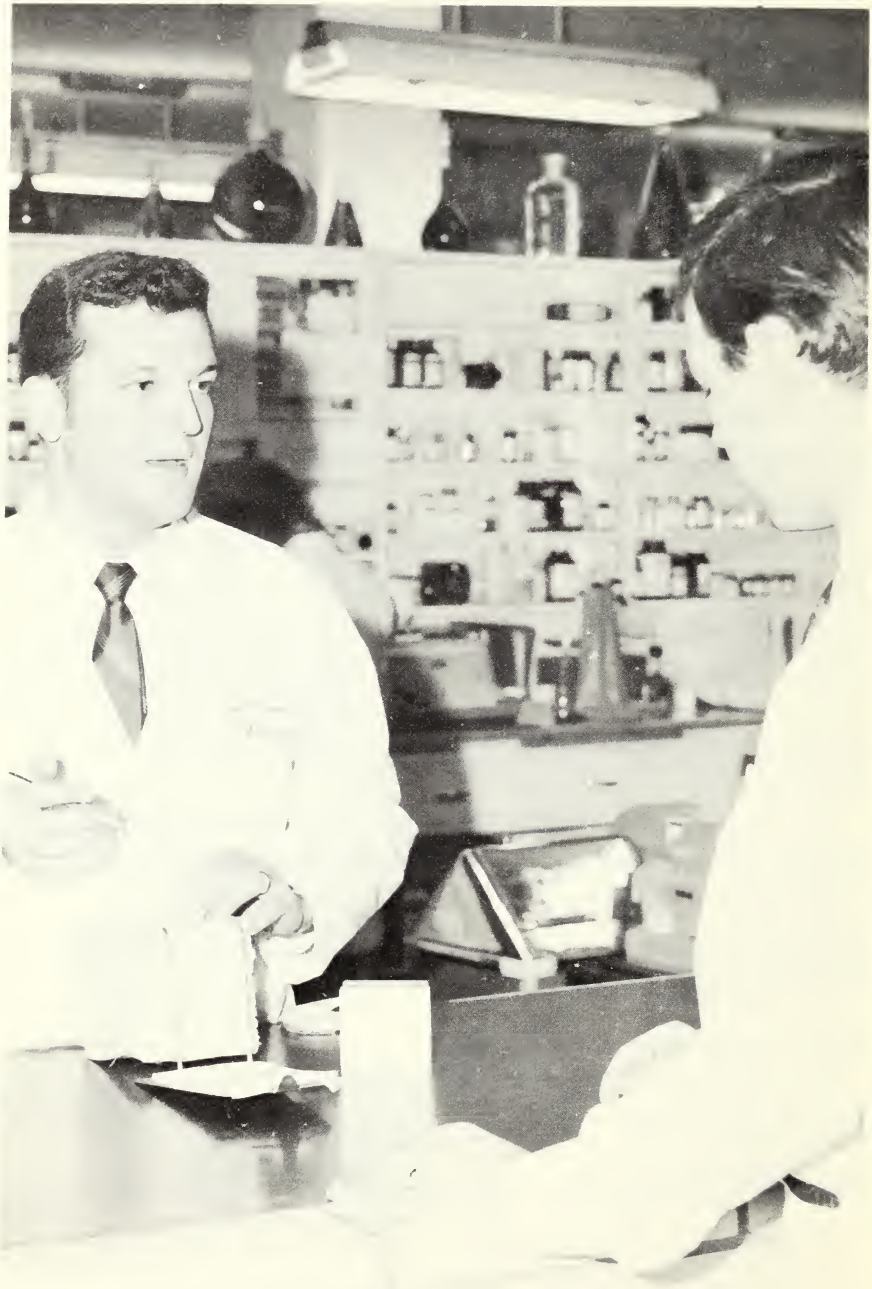
Admissions Counselor—James L. McLeod, B.B.A.

Director, Program in Hospital and Medical Systems—Harold E. Smalley, Ph.D.

Assistant Director, Program in Hospital and Medical Systems—James B. Mathews, M.S.I.E.

President Emeritus—G. Lombard Kelly, M.D.

President Emeritus—Edgar R. Pund, M.D.



THE UNIVERSITY SYSTEM

The University System of Georgia was established in 1931 when control and operational authority over state-aided schools of higher learning were vested in the University System Board of Regents, a constitutional body appointed by the Governor and approved by the Senate. There are fifteen Regents, all serving terms of seven years. Members of the Board are appointed from each of the state's Congressional Districts and the remainder from the state-at-large. The Regents select their own officers and appoint a chancellor as chief administrator of the University System. The system consists of 27 institutions including the Medical College of Georgia.

HISTORICAL BACKGROUND

The oldest school of medicine in Georgia was founded in 1828 at Augusta. Known as the Medical Academy for the State of Georgia, the school was authorized in 1828 by the State Legislature to confer the Bachelor of Medicine degree.

In 1829, the Academy was named the Medical Institute of Georgia and was authorized to award the degree of Doctor of Medicine. The first class enrolled that year for a course of study consisting of the then customary four month session. Even at that early date, however, the Georgia medical faculty was advocating a lengthier and more thorough teaching program, but complied with custom because of opposition from other schools.

In 1833, the school adopted the name Medical College of Georgia, and in 1873 it became affiliated with the University of Georgia as its Medical Department. In 1931, all state-aided schools of higher learning, including the medical facility, were merged into the University System of Georgia and administration was assumed by the state's Board of Regents.

The name of Medical College of Georgia was restored in 1950 when the Regents declared the school to be an independent unit of the University System of Georgia. Administrative authority now is delegated to the college President.

The College began operation in 1956 of its own teaching hospital, the Eugene Talmadge Memorial Hospital.

The Medical College of Georgia has functioned continuously in Augusta since its founding, with the exception of a brief period during the War Between the States.

COLLEGE DEVELOPMENT

The Medical College of Georgia is now in the midst of a vast building program which ultimately will include expanded research and education facilities for the School of Medicine, School of Graduate Studies, and School of Dentistry. An $11 million research and education building and a $6.9 million dental clinical services building are now under construction and will be completed within the year.

DEGREES OFFERED

The following degrees and certificates are granted by the Medical College of Georgia through its schools:

School of Medicine: The Doctor of Medicine degree.

School of Dentistry: The Doctor of Dental Medicine degree.

School of Graduate Studies: The Doctor of Philosophy degree, the Master of Science degree, the Master of Science in Medical Illustration degree, and the Master of Science in Nursing degree.

School of Nursing: The Bachelor of Science in Nursing degree.

School of Allied Health Sciences:

Dental Hygiene—Bachelor of Science degree
Medical Illustration—Bachelor of Science degree
Medical Record Science—Bachelor of Science degree and Certificate
Medical Technology—Bachelor of Science degree
Radiologic Technology—Bachelor of Science degree and Certificate.

FACILITIES FOR INSTRUCTION

The Medical College of Georgia campus, situated in the approximate center of Augusta, is convenient to the downtown business district. The locations of the College's various facilities are shown on the campus map (pages GI 4-5).

Administration Building. First floor: offices of President, Vice Presidents, Dean of Medicine, Dean of Graduate Studies, Registrar, Comptroller, Research Coordinator, Alumni Association, and Director of Institutional Relations. Second floor: Department of Anatomy. Third floor: Classrooms and laboratories for experimental surgery.

Murphey Building. Departments of Pathology, and Microbiology.

Dugas Building. Departments of Biochemistry, Physiology, Pharmacology, and Medical Illustration.

Library. The Library is housed in a modern two-story building, completed in 1965. Each floor has open stacks and reading areas. On the second floor there are also, individual carrels, small group study rooms, two large conference rooms, and a coin operated photocopy machine for student use. Approximately 1,300 periodicals and other serials are received annually and the holdings consist of more than 68,000 books and bound journals. An active inter-library loan service is maintained. To expedite this, a TWX teletype system is available.

Eugene Talmadge Memorial Hospital. The Hospital is an integral part of the Medical College, contributing teaching and clinical research facilities for both faculty and students. It contains approximately 450 active teaching beds with supporting x-ray, laboratory, physical medicine, surgery and dietary facilities.

The clinical, teaching and research facilities are utilized for the benefit of students in Medicine, Nursing, Medical Record Science, Medical Technology, Medical Illustration, Radiologic Technology, and in the sciences basic to medicine.

Clinical Research Annex. A ten-floor annex to the teaching hospital, containing special laboratories for research.

Vivarium. (Animal Care Facility) a modern building complex located south of Augusta for housing and care of all species of animals used for teaching and research at the Medical College.

University Hospital. A city-county hospital, some facilities of which are used for teaching purposes.

Gracewood State School and Hospital. The facilities and patients of this state institution are available for clerkships and clinical demonstrations of neurologic, biochemical, and genetic disorders. It is located on the outskirts of Augusta.

Veterans Administration Hospital. Students serve ward clerkships in medicine and surgery at the Forest Hills Division, located about two miles from the Medical College campus.

Outpatient Department. An outpatient service, maintained at University Hospital for indigent patients of Richmond County, is staffed by the Medical College. In addition, specialty outpatient services are scheduled.

Augusta-Richmond County Health Department. Located adjacent to the campus, it contributes to the teaching programs in public health, pediatrics and obstetrics.

Battey State Hospital, Rome, Georgia. A state hospital which participates in the thoracic surgery resident training program.

FEES AND EXPENSES

The Medical College reserves the right to make changes in its fees and charges at the beginning of any quarter without previous notice. All fees are due and payable on registration. Checks should be made payable to the Medical College of Georgia.

Acceptance Deposit $50.00

A deposit of $50.00 is required within fifteen (15) days after a student has been notified of his acceptance. This deposit will be applied to a student's first quarter expenses and he may, therefore, consider this amount paid in advance. Refund of acceptance deposits will be made upon request prior to the dates listed below:

Medicine	March 1
Dentistry	March 1
Graduate & Undergraduate	June 1

Fees For Students Enrolled For 12 Quarter Hours Or More

Matriculation-Medical and Dental Students-per **year** $825.00*

Graduate & Undergraduate Students per **quarter** $135.00

Non-Resident Tuition: (In addition to matriculation fees)

(See page GI 18 for State Residency Policy)

Medical and Dental students-per **year** $825.00*

Graduate & Undergraduate students-per **quarter** $180.00

*May be paid in three equal installments.

Fees For Students Enrolled For Less Than 12 Quarter Hours

Matriculation-Graduate & Undergraduate students-per quarter hour ..... $ 11.00

Non-Resident Tuition: Graduate & Undergraduate students-per quarter hour (in addition to matriculation fees) ..... $ 15.00

FOOD SERVICES

The Medical College provides a cafeteria and coffee shop in the Student Center. There is also a food service in Talmadge Hospital.

Estimated food costs per quarter $200.00

HOUSING

Residence I and Residence II (Single-Women)

	Air-Conditioned Quarterly	*Non Air-Conditioned Quarterly*
Single	$140.00	$126.00
Double	$100.00	$ 90.00

Residence IV

Accommodations for single undergraduate and graduate students. Double $120.00 per student per quarter.

Residence V

Apartments for married students.

One-Bedroom Apartment ..... $85.00 per month
Two-Bedroom Apartment ..... $97.50 per month

Inquiry should be made to the Housing Secretary, Auxiliary Services Division, Medical College of Georgia, Augusta, Georgia 30902.

Room Refunds

A student withdrawing from the College will be charged a daily rate for room from the beginning of the quarter to the date of withdrawal. Payments for room will not be refunded to a student who, while continuing to be a student at the College, moves off campus or who ignores a room assignment.

HOSPITALIZATION AND INSURANCE PROTECTION

All full-time students of the Medical College of Georgia may participate in a group hospitalization and life insurance plan. Information as to rates and coverages are available upon request.

OTHER FEES

Student Activities Fee (Per Quarter) $10.00
This fee, which is charged to all students, supports an array of campus activities which include operation of the new Student Center, arts series tickets, several formal functions, intramural athletics, and other student activities.

Student Health Service (Per Quarter) $10.00
Required of all students.

AUDIT FEES

Persons desiring to attend courses or lectures without examination or credit may secure an auditor's ticket. Fees for auditors are the same as those for students registered for credit.

ESTIMATED EXPENSES FOR THE ACADEMIC YEAR

(For an undergraduate student who is a resident of the State of Georgia, and lives on campus).

Fees	$ 465.00
Housing (Double occupancy; air-conditioned)	$ 300.00
Food Cost	$ 600.00
Books and Supplies	$ 120.00
Incidental Expenses	$ 500.00
Total	$1,985.00

REFUND OF FEES

Students who formally withdraw are entitled to the following prorated refund of matriculation fees:

80% if withdrawal is within 7 days following the last day of registration;
60% if withdrawal is within 8 to 14 days following the last day of registration;
40% if withdrawal is within 15 to 20 days following the last day of registration;
20% if withdrawal is within 21 to 28 days following the last day of registration.
No refunds are made after the 28th day following the last day of registration.

CLASSIFICATION OF STUDENTS AS RESIDENTS AND NON-RESIDENTS

1. A student who is under 21 years of age at the time he seeks to register or re-register at the beginning of any

quarter will be accepted as a resident student only upon a showing by him that his supporting parent or guardian has been legally domiciled in Georgia for a period of at least twelve months immediately preceding the date of registration or re-registration.

2. In the event that a legal resident of Georgia is appointed as guardian of a non-resident minor, such minor will not be permitted to register as a resident student until the expiration of one year from the date of appointment, and then only upon proper showing that such appointment was not made to avoid payment of the non-resident fee.

3. If a student is over 21 years of age, he may register as a resident student only upon a showing that he has been domiciled in Georgia for at least twelve months prior to the registration date.

   Any period of time during which a person is enrolled as a student in any educational institution in Georgia may not be counted as a part of the twelve months domicile and residence herein required when it appears that the student came in to the State and remained in the State for the primary purpose of attending a school.

4. A full-time faculty member of the University System, his or her spouse, and minor children may register on the payment of resident fees, even though such faculty member has not been a resident in Georgia for twelve months.

5. If the parents or legal guardian of a minor changes residence to another state following a period of residence in Georgia, the minor may continue to take courses for a period of twelve consecutive months on the payment of resident fees. After the expiration of the twelve months' period the student may continue his registration only upon the payment of fees at the non-resident rate.

6. Military personnel and their dependents may become eligible to enroll in institutions of the University System as resident students provided they file with the institution in which they wish to enroll the following:
   (a) A statement from the appropriate military official showing that the applicant's "home of record" is the State of Georgia; and
   (b) Evidence that applicant is registered to vote in Georgia; or

(c) Evidence that applicant, if under 18 years of age, is the child of parents who are registered to vote in Georgia; and
(d) Evidence that applicant, or his supporting parent or guardian, filed a Georgia State income tax return during the preceding year.

7. Foreign students who attend institutions of the University System under sponsorship of civic or religious groups located in this state, may be enrolled upon the payment of resident fees, provided the number of such foreign students in any one institution does not exceed the quota approved by the Board of Regents for that institution.

8. All aliens shall be classified as non-resident students; provided, however, that an alien who is living in this country under a visa permitting permanent residence or who has filed with the proper federal immigration authorities a Declaration of Intention to become a citizen of the United States shall have the same privilege of qualifying for resident status for fee purposes as a citizen of the United States.

9. Teachers in the public schools of Georgia and their dependents may enroll as students in the University System institutions on the payment of resident fees, when it appears that such teachers have resided in Georgia for nine months, that they were engaged in teaching during such nine months' period and that they have been employed to teach in Georgia during the ensuing school year.

10. If a woman who is a resident of Georgia and who is a student in an institution of the University System marries a non-resident of the State, she may continue to attend the institution on payment of resident fees, provided that her enrollment is continuous.

11. If a woman who is a non-resident of Georgia marries a man who is a resident of Georgia, she will not be eligible to register as a resident student in a University System institution until she has been domiciled in the State of Georgia for a period of twelve months immediately preceding the date of registration.

12. Non-resident graduate students who hold assistantships requiring at least one-third time service may register as students in the institution in which they are employed on payment of resident fees.

FINANCIAL ASSISTANCE FOR STUDENTS

Because the cost of acquiring an education in the health sciences may prevent many students from beginning or completing their studies, the Medical College of Georgia has developed a program to assist students in financing their education. The College believes that the educational opportunities for qualified students should not be controlled by their financial resources. Realistic financial planning is an essential part of college preparation. In selecting students to receive financial assistance the College places primary emphasis on financial need. Academic achievement and promise, and character are also considered.

The Medical College of Georgia participates in the College Scholarship Service of the College Entrance Examination Board. The College Scholarship Service assists colleges and universities and other agencies in determining the students' need for financial assistance. Students seeking assistance are required to submit a copy of the Parents' Confidential Statement form to the College Scholarship Service designating the Medical College of Georgia as one of the recipients.

Students desiring more information about financial aid resources should write for the Student Financial Aids Bulletin. This bulletin and an application form on which you may apply for any program that the College administers may be secured by writing the Financial Aids Office, Medical College of Georgia, Augusta, Georgia 30902. Information concerning graduate fellowships and assistantships is available from the School of Graduate Studies.

Through funds donated by various individuals and groups the College is able to operate its student loan program. Among the funds that have been established are the following:

Student Loan Fund, established in 1962 by Dr. James Russell Howell.

Eugene E. Murphey Fund, donated by Mr. Byron B. Taggert in honor of Dr. Murphey.

DeLeon Laboratories Fund, donated in 1955 by Mr. Harold Palmer, president of the pharmaceutical firm.

W. K. Kellogg Foundation, the 1942 and 1943 grants of which have evolved into a permanent fund.

Carlin Alexander Fund, sponsored by the Phi Rho Sigma Wives Club in memory of a former member.

Medical Dames Student Loan Fund, established in 1964 for the benefit of married students.

Georgia Pediatrics Society Loan Fund, established in 1959 and funded annually to benefit the loan program.

Medical College of Georgia Foundation Loan Fund, provides funds annually for the student loan program.

Robert C. White Memorial Fund, established in 1968 in memory of this student.

STUDENT HEALTH SERVICE

Medical Care. The Student Health Service is under the supervision of a designated school physician. Physical examinations, immunizations, and X-ray and laboratory procedures are completed on all students in Medicine, Graduate Studies and undergraduate programs. Additional periodic examinations are made and indicated treatment is provided. The fee for this student service is $10 per quarter.

Hospitalization and Insurance Protection. All full-time students of the Medical College of Georgia may participate in a group hospitalization and life insurance plan. A Schedule of Benefits and Costs is given to each student at the beginning of each year.

EXTRA-CURRICULAR ACTIVITIES AND OPPORTUNITIES

Augusta is Georgia's second oldest city, founded in 1735 as a trading post. It is also one of the state's most progressive and rapidly growing municipalities.

As the Winter Golf Capital of the World, the city is host each year to the international Masters Golf Tournament and the Women's Titleholders Tournament.

Located near the vast Clark Hill Reservoir of the Savannah River, Augusta offers exceptional facilities for swimming, camping, fishing, boating, and other outdoor recreational activities.

Cultural opportunities include frequent programs by the Augusta Symphony Orchestra, the Community Concert Series, the Augusta Choral Society, the Arts Series of the Medical College of Georgia, the Augusta Players, the Fort Gordon Players and other groups.

In and near Augusta there are approximately 175 churches representing 35 religious denominations.

MEDICAL COLLEGE OF GEORGIA FOUNDATION, INC.

The Medical College of Georgia Foundation was chartered on October 14, 1954.

The purpose and object of the Medical College of Georgia Foundation is the establishment of various funds by the

acquisition and holding of property and money which together with all income from the investment thereof shall be used for the improvement and maintenance of high standards of instruction to be given at the Medical College of Georgia; the creation and maintenance of fellowships for advanced study by members of the faculty; to create and maintain facilities for and payment of expenses of research in various fields and branches of medical science; and to award scholarships to and in other ways assist students of the Medical College of Georgia.

The governing body is a Board of Trustees consisting of twenty-five members. There is also a permanent standing committee known as the Advisory Investment Committee composed of three businessmen who deal in investment securities.

The Foundation is chartered to receive cash, securities, donated properties, and other assets. Gifts may be received in the form of bequests, charitable reminder trusts, life insurance, life income contracts and gift annuities.

ADMISSION REQUIREMENTS

The specific additional requirements for admission to the various programs of the Medical College of Georgia are outlined in detail under designated listings in later sections of this catalog.

The Medical College of Georgia is an equal educational opportunity institution in that no person shall, on the ground of race, color, creed, or national origin, be excluded from participation in or be otherwise subjected to discrimination in any educational program, activity or facility.

The following are general requirements for all programs offered by the College, and are in addition to specific requirements of individual programs:

Application forms. Submission of completed forms by the deadline date specified by each academic program is required. No application will be considered if received or completed after the established deadline date. (See schedule, pages GI 6, 7, and 8).

Physical examination. The applicant is required to pass a physical examination performed by a licensed physician. Forms for this examination may be secured from the Registrar of the College. The applicant must make necessary arrangements for the examination. When completed, the form should be mailed directly to the Registrar by the examining

physician. Medical reports which do not conform to these regulations may not be accepted.

Personal interviews. Personal interviews with members of the faculty or with the Dean are required of most applicants. Further information regarding these interviews will be found under the individual program listings.

Pre-entrance testing. The Medical College Admission Test is required of all applicants to the School of Medicine.

The Graduate Record Examination is required of all applicants to the School of Graduate Studies.

The Dental Aptitude Test is required of all applicants to the School of Dentistry.

The College Entrance Examination-Scholastic Aptitude Test is required of all applicants applying for programs which confer baccalaureate degrees. (The College's code number is 5406). In addition, other pre-entrance and placement tests may be required by various departments and schools. Information concerning these tests is listed with each program's specific requirements for admission.

Academic Achievement. Preference will be given the applicant who has demonstrated superior academic ability. The applicant must present evidence of graduation from an accredited high school or its equivalent. Preference will be given the applicant to undergraduate programs who has emphasized high school subjects in the sciences (mathematics, chemistry, physics, biology, zoology) and the liberal arts. The entering freshman must present credentials to indicate completion of the following high school credits from an accredited high school:

	Units
English	4
Mathematics (must include one unit of algebra)	2
Sciences (general biology, chemistry, physics)	2
Social studies (one unit of American History)	2
Other academic units	4
Unrestricted electives	2

High school level test of General Education Development will not be accepted unless accompanied by a state high school diploma.

Transfer credit. Courses and credits transferable to an undergraduate curriculum from other colleges or universities must have an over-all grade average acceptable to the Medical College, but in no case less than a "C". College credit will not be allowed for such courses as Remedial Mathematics, or others basically of secondary school level.

A student transferring into professional curricula from non-collegiate institutions shall be required to have professional course work validated by standardized examinations in order to gain advanced standing and receive college credit for such course work. An application for the School of Medicine will not be considered from a student who is not in good standing at the institution he has attended previously.

An applicant who wishes to transfer to the Medical College should have transcripts of all course work from all institutions submitted by Registrars at institutions formerly attended, and in accordance with instructions sent with application materials. Transcripts sent by a student, or unofficial transcript (unsealed or unsigned) will not be accepted.

Correspondence courses are discouraged. Not more than one-fourth of the courses for degree requirements may consist of correspondence or extension courses.

Any credit which is more than ten years old is subject to validation to the satisfaction of the Dean of the particular School.

Credits from unaccredited institutions are subject to validation to the satisfaction of the Dean of the particular School.

APPLICATION PROCEDURE

The following procedure applies to all prospective students who plan to enter any of the curricula offered by the Medical College of Georgia:

Information and application materials. Application forms, instructions and information are available on request from the Office of the Registrar, Medical College of Georgia, Augusta, Georgia 30902. All documents and other materials submitted by or for a person in connection with his interest and consideration for admission to the Medical College of Georgia become the property of this institution and cannot be returned at any time.

Application deadlines. The closing dates on which an application may be submitted are given below. Application instructions may be found in the back of the Catalog. Registration dates are listed in the calendar.

School of Dentistry—Although no application deadline has been set, most dental students will be selected from those whose completed applications (including Dental Aptitude Tests results) are on file by December 1.

Program	*Application Completion Deadline*
School of Medicine	January 1, 1971
School of Graduate Studies	21 days before registration
School of Nursing	21 days before registration
School of Allied Health Sciences	21 days before registration
Dental Hygiene	
Medical Illustration	
Medical Record Science	
Medical Technology	
Radiologic Technology	

Acceptance. Individual applications are given a careful and thorough review by an appropriate admission committee composed of members of the faculty. Acceptance is based on a majority decision of the committee.

Acceptance deposits. An acceptance deposit of $50.00 must be sent within fifteen (15) days after a student has been notified of his acceptance. This deposit will be applied to a student's first quarter expenses and he may, therefore, consider this amount paid in advance.

Refunds will be made as listed below:

Medical students	100% up to March 1 None thereafter
Graduate and Undergraduate students	100% up to June 1st None thereafter

Readmission. A former student of any curricula offered by the Medical College who has been absent from the campus and has not registered for the preceding academic quarter, or longer, is required to submit a letter of application requesting readmission. The letter should be sent directly to the Registrar no later than the application deadline, indicating the program and quarter for which the applicant is requesting readmission. Students not registered during the Summer quarter are exempt from this requirement if they attended the preceding Spring quarter.

ACADEMIC REGULATIONS

Units of credit. The unit of credit is the quarter hour. A quarter hour equals one hour of class work per week for one quarter, or its equivalent in other forms of instruction.

Classification of students. In the School of Medicine and School of Dentistry students will be classified as first year, second year, third year or fourth year.

In the undergraduate programs, a student will be classified according to the number of academic quarter hours completed, either in residence or by transfer. A student who has completed less than 37 hours of work will be classified as a freshman; completion of at least 37 hours but less than 86 hours will earn classification as a sophomore; completion of at least 86 hours but less than 131 hours merits classification as a junior; completion of 131 hours or more earns classification as a senior. Students in the School of Graduate Studies will be classified as outlined on page GS 4.

The classification under which a student registers at the beginning of the academic year will continue throughout the academic year.

Grading System. Three grading systems are used at the Medical College of Georgia.

Grades for the School of Medicine and the School of Dentistry are recorded as follows:

Grade	*Description*
4	Superior
3	Above average
2	Satisfactory
1	Borderline
0	Unsatisfactory
W	Withdrawn, In Good Standing
In	Incomplete
Ex	Exempt

A student who withdraws while doing unsatisfactory work, or without necessary approvals, will be assigned the grade "O".

Grades for the undergraduate programs will be recorded as follows:

Grade	*Description*	*Quality Points*
A	Excellent	4.0
B	Good	3.0
C	Average	2.0
D	Poor	1.0
F	Failure	0.0
WF	Withdrew failing	0.0
WP	Withdrew passing	Not computed
In	Incomplete	Not computed
Au	Audit	Not computed

Grades for the School of Graduate Studies are given on page GS 5.

Grade Changes. Any grade changes due to errors in reporting must be brought to the attention of the Registrar's office within three months of the time reported.

Incomplete grades which have not been made up will be changed to failure grades after one quarter. Request for exception to this rule must be submitted in writing to the Registrar's office, with signed approval of Instructor and Dean.

General education courses for undergraduate students. The Medical College of Georgia is a state supported unit of the University System of Georgia. Being a professional education institution, the college does not maintain faculty for teaching general education courses in the liberal arts and sciences. Other accredited institutions of the University System, have been designated to assume the responsibility for offering general education courses for all baccalaureate students registered at the Medical College. Credits and grades for such courses are accepted by the Medical College directly from these institutions as though the courses were taught on the medical campus provided the student is registered at this institution while taking the courses.

Lower Division general education courses number 100 through 399 are offered by Augusta College. These courses will be recorded on transcripts issued by the Medical College with the code designation of "AC" indicated.

The off-campus center of the Medical College of Georgia School of Nursing with resident faculty at Georgia State College in Atlanta will be phased out July 1, 1970.

Registration. Registration must be completed on the dates outlined in the academic calendar. The procedure for registration will be outlined for the accepted applicant by the Registrar on the registration dates indicated.

The academic program of each student is planned in consultation with his academic advisor or major professor.

Auditors. A student may not attend classes in a course for which he is not officially registered. Auditors may attend courses with the consent of the instructor, Program Director, and Registrar, but no academic credit shall be allowed.

Auditors are subject to the same fees as regular students and must register for courses in the same manner as all other students.

Attendance. Regular and punctual attendance is expected of students in all classes, and is counted from the first class meeting each term. Students who incur an excessive number of absences are subject to penalty.

Forfeiture of credit. By registering for a course for which he already has received credit by transfer or residence work, a student forfeits credit in the previous course. The final grade will be the grade on the repeated course.

Changes in course schedules. Changes in a student's schedule of courses may be made only with the approval of the Dean or Director, and the Registrar. Additions to a student's course schedule will not be allowed after the deadline set forth in the calendar. A course may be dropped without penalty up to the dates set forth in the calendar (usually mid-term), but after this time he will receive either a WP (withdrew passing) or a WF (withdrew failing). WF grades will be treated as failures for grade point calculations.

Scholastic eligibility standards. An undergraduate student who is making satisfactory progress toward a degree will maintain a minimum of:

Grade point ratio	*Total hours attempted*
1.3	45
1.6	90
1.8	135
2.0	180 - above

Suspension. A student who falls below this standard at the end of any regular academic year will be suspended for the next regular quarter, unless he attends an approved summer school and shows marked improvement. Any full-time student who fails to make a passing grade in at least one of his academic subjects may be suspended at the end of any quarter.

Probation. A student who falls below a "C" average in any given quarter or whose cumulative average is below a "C" will be carried on probation and his records marked accordingly.

Discipline. Student Discipline at the Medical College of Georgia is the responsibility of the President and his administrative staff. Students will be expected to act in a manner of credit to themselves and to the institution.

Appeals Procedure. When an applicant for admission shall feel that his application has not been given due consideration or when a student shall be expelled or suspended,

the applicant or student shall have the right to appeal in accordance with the following procedure:

He shall appeal in writing to the President of the institution within five days after the action of which he complains. The President shall appoint a committee to review all facts and circumstances and shall within fifteen days make a decision which shall be final so far as the institution is concerned.

Should the aggrieved person be dissatisfied with this decision, he shall have the right to appeal in writing to the Board of Regents. An appeal to the Board of Regents shall be submitted in writing to the Executive Secretary of the Board within ten days after the President's decision and shall recite all reasons for dissatisfaction with the previous decision. After thorough investigation, the Board shall make its decision within sixty days. The Board's decision shall be final and binding for all purposes.

Noncontinuous matriculation. Normally a student may be permitted to graduate under provisions of the catalogue in effect at the time of his first matriculation. A student may choose to graduate under the provisions of a subsequent catalogue. If he does so choose, he must meet all the provisions of the subsequent catalogue. A student who returns to one of the Undergraduate programs, or to the School of Graduate Studies, after an absence of two or more years will be required to meet the degree provisions of the catalogue current on his return, along with such other regulations as may be in effect at that time.

Normal course load. The normal course load may vary with the several degree programs. Students may be required to register for a course load less than the normal course load if this action is determined to be advisable in light of the student's academic standing or for other reasons. A student who in any quarter registers for less than 12 quarter hours is considered a part-time student; a student who registers for at least 12 but less than 19 hours is considered a full-time student; a student who registers for 19 or more hours is considered to be carrying an overload. No student of the School of Graduate Studies, or the undergraduate curricula, may register without special approval from his Dean for more than 21 quarter hours (including audit courses) in any given academic quarter.

Withdrawal from the Medical College. A student who wishes to withdraw must report to the Registrar to obtain and complete the Withdrawal Form. The official records of a student who does not officially withdraw from the institu-

tion will not be released until the appropriate withdrawal procedures have been completed.

Course numbering system. The Medical College of Georgia offers courses numbered 100 to 299 to students in the Lower Division of undergraduate schools, and courses numbered 300 to 499 to students in the Upper Division of undergraduate schools.

In the School of Graduate Studies courses are numbered from 600 to 999. Certain courses are offered to Undergraduate, Graduate, and Professional students jointly. Such courses are numbered appropriately for each class and degree program.

REQUIREMENTS FOR GRADUATION

Additional requirements for graduation are outlined in later sections of this Catalog under the listings of the School of Medicine, School of Graduate Studies, School of Nursing, and School of Allied Health Sciences. However, the following apply to all baccalaureate programs offered by the Medical College of Georgia:

Recommendation by faculty. It is implicit in the requirements for all degrees conferred by the Medical College that the faculty of each school recommend each candidate for a degree as having met all requirements for the degree to be conferred.

Transfer Credit. A maximum of 95 academic quarter hours from a junior college, or 141 hours from a senior college or another educational institution may be transferred into an undergraduate program. See below, "Scholarship and Promotion."

Residence. The minimum residence requirement for a baccalaureate degree is 45 quarter hours. A minimum of 180 quarter hours (excluding Physical Education) is required for a baccalaureate degree.

Examinations on the history and Constitutions of the United States and Georgia. Examinations on these subjects are required of all students unless exempted by presentation of course credit dealing with these constitutions and histories. A student is advised to meet this requirement early in his academic career.

Physical Education Requirements. Candidates for undergraduate degrees will present a minimum of three (3) quarters of physical education credit for graduation.

SCHOLARSHIP AND PROMOTION

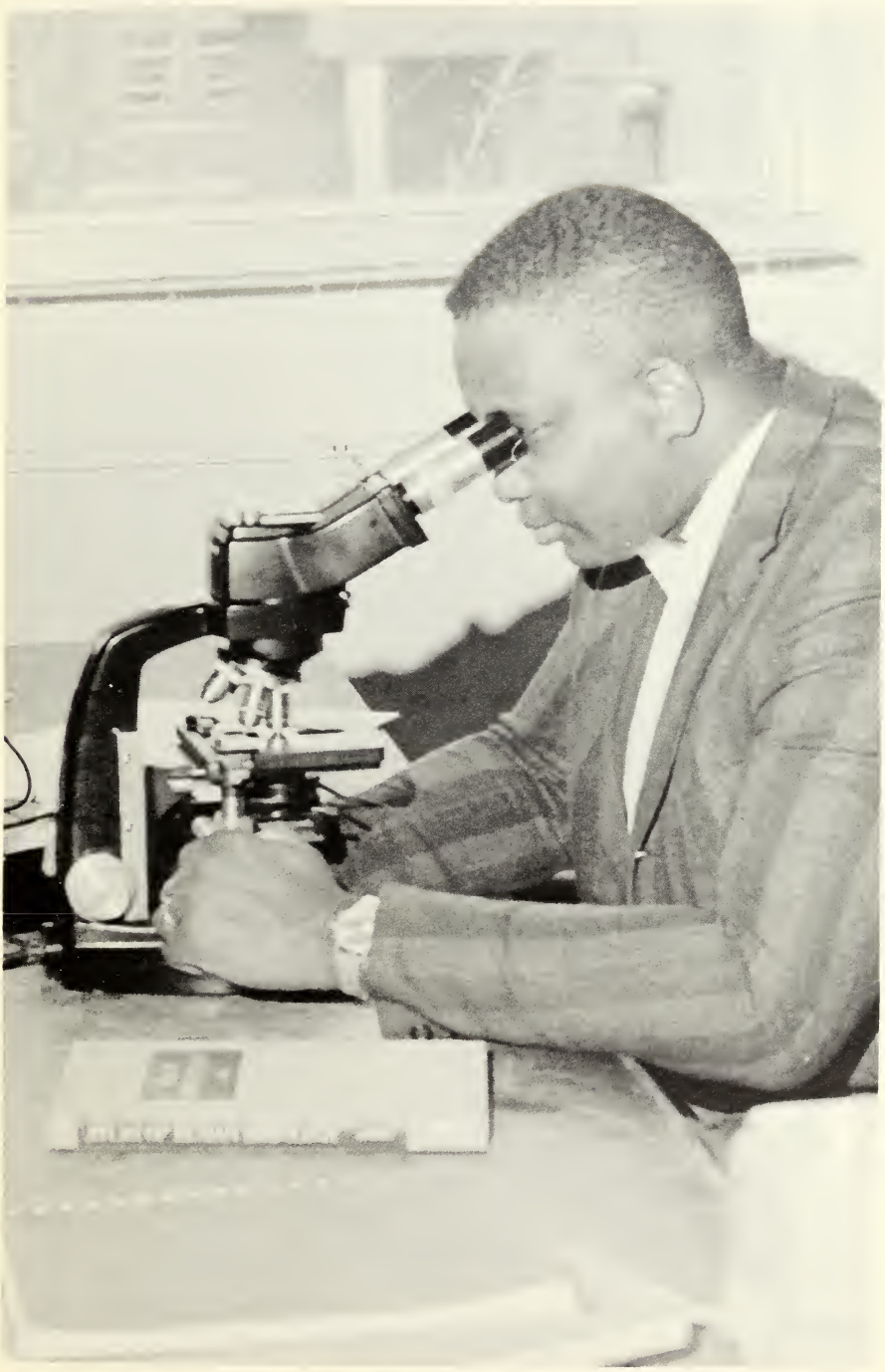
An undergraduate degree shall not be conferred to any person whose overall weighted grade point average (for courses in residence) is less than 2.00. Credit hours in courses with the grade of "D" or "D+" shall not exceed 20% of the total hours for any degree program. Individual curricula may establish higher standards for achievement, in which case, the higher standards shall apply.

REQUIREMENTS FOR DEGREE

The candidate for an undergraduate degree must consult with the office of the Registrar and the Dean or Chairman of his program concerning completion of requirements for graduation. This consultation should be done three quarters before the expected date of graduation. Students who fail to meet this requirement forfeit any equity in the adjustment of possible errors or omissions in their programs.

APPLICATION FOR GRADUATION

Application for graduation must be made by each candidate on a form obtainable from the office of the Registrar. The application form should be completed during the Winter registration period. The candidate for a degree from the Medical College of Georgia must attend the Commencement exercise at which the degree is to be conferred, unless he is officially excused in writing by the Registrar.



ADMISSION TO THE MEDICAL CURRICULUM

Admissions policies as established by the Board of Regents of the University System of Georgia are the responsibility of the Admissions Committee, with consideration for the special requirements of the medical curriculum. The Committee is responsible for the acceptance of all students entering the first, second, or third year classes. Admission with advanced standing to the fourth year class is not permitted.

The applicant for admission to the School of Medicine is considered on the basis of academic qualifications, appraisals by college instructors, medical school interviewers and scores on the Medical College Admission Test. Moral character, motivation, and an assessment of the applicant's ability to make the social and psychological adjustments for the successful study of medicine are evaluated by personal interviews. Interviews with faculty members are held by invitation of the Admissions Committee after review of completed applications.

Information from personal references also is considered and welcomed. However, attempts to bring undue influence on the Admissions Committee on behalf of an applicant may seriously prejudice acceptance.

Irregular Students.

Faculty members holding doctorates in basic medical or biological sciences who wish to qualify for careers in full-time academic medicine or clinical research may enroll as irregular students in special instances.

Requirements for admission in the above categories are available from the office of the Registrar. Before final acceptance in each instance, applicants must obtain approval from the Dean for the proposed course of study.

The Medical College of Georgia assumes no responsibility for future curriculum changes which might alter such programs.

Admission With Advanced Standing.

Applicants in good standing in accredited two or four-year medical schools will be considered for admission to the appropriate year of the curriculum. Details should be obtained from the Department of Student Affairs.

REQUIREMENTS FOR ADMISSION

Medical College Admission Test. An applicant is required to take this examination. The test is given twice each year at most senior colleges. Information concerning it may be

obtained from the premedical advisor in most colleges (or from the Psychological Corporation, 304 East 45th Street, New York).

Physical Examination. A satisfactory health report must be submitted.

Personal Interviews. These are required of all applicants who are accepted for admission. Interviews with faculty members are held by invitation of the Admissions Committee.

References. An evaluation of the applicant is required from those persons whose names are submitted as references. In addition, an evaluation from the applicant's premedical advisor is required. Recommendations from other than required sources are discouraged.

State Medical Examiner Certification. Credentials of all accepted applicants must be approved by the State Medical Examiner (Ref. Medical Practice Act of Georgia, 84-911). Application for approval is made by the Medical College of Georgia and the applicant is notified when the fee of $2.00 is due.

At least three years of work in an approved college. The minimum requirement is 90 semester hours or 135 quarter hours. The three-year college course, in both quantity and quality, must be acceptable as the equivalent of the first three years leading to the degree of Bachelor of Science or Arts in an approved college of arts and sciences. Even though these requirements are met, preference still is given those students who have completed four years of college work.

Completion of the following college courses:

	Semester Hours	*Quarter Hours*
Chemistry (inorganic, quantitative analysis, organic; including laboratory)	16	23
Biology (general biology or equal hours of zoology or botany; laboratory required)	8	12

Physics (mechanics, heat, light, sound, electricity; including laboratory)	8	12
English (the introductory courses or their equivalent. Additional courses are recommended)	6	9
Other non-science subjects	12	18

Electives

The student is urged to develop a strong background in the humanities and social sciences, and to consult with his premedical advisor as to the specific courses recommended. Elective courses may include a modern foreign language, psychology, mathematics (analytical geometry, calculus, etc.), economics, history, sociology, philosophy, and political science. Electives should emphasize subjects other than those to be covered in the medical curriculum.

APPLICATION PROCEDURE

Application forms with instructions for completing the admissions procedure may be obtained from the Department of Student Affairs, Medical College of Georgia, Augusta, Georgia 30902. Applications for the entering class of September 1971 must be filed by January 1, 1971. No application will be accepted if received after that date. Early application is urged by the Admissions Committee.

When notified of acceptance, the applicant is required to make a deposit of $50.00 payable to the Medical College of Georgia, the sum to be applied toward payment of fees when the student enrolls. In the event of failure to enroll at the scheduled time, the deposit will be forfeited, except in the case of serious illness.

DISCIPLINE AND GENERAL REGULATIONS

Student discipline at the Medical College of Georgia is the responsibility of the President and his administrative staff. Students will be liable for disciplinary action should they fail to act in a manner of credit to themselves, the college, and the medical profession.

The Student-Faculty Council acts as an advisory board in student and faculty relations. The Council is composed of five faculty members and nine students. The basic science

and clinical departments each are represented by at least two members of the faculty who are elected by the student body for three-year terms. The Council may elect two additional faculty members for a period of one year to represent the administration. The students are represented by the president of the student body and two members from each of the classes. Two student members are elected by the first year class to serve for one year. Two permanent members are elected by the second year class at the beginning of the academic year and serve until graduation. A chairman and a secretary are elected by the Council for terms of one year.

HONOR SYSTEM

Every student at the Medical College of Georgia is expected to maintain a high degree of personal integrity and honor, not only during his years on the campus, but also throughout his practice as a physician. In recognition of this obligation, each student is expected to subscribe to an honor code established by the students of previous years. An Honor Court composed of eight students is nominated by student officers and selected by the Dean at the beginning of each academic year to administer the Honor Code.

A student judged guilty of an Honor Code infraction may be directed by the Court to take oral examinations in all the courses of the respective school year. A second infraction will result in dismissal from the school.

FINANCIAL ASSISTANCE

For information on financial assistance see page GI 21. Additional information and an application form on which to apply for any assistance program administered by the Medical College may be secured by writing to: Financial Aids Office, Medical College of Georgia, Augusta, Georgia 30902.

CURRICULUM

The first year curriculum, termed Phase I, is a program with "core" and "elective" portions. The core portion of twenty-seven weeks duration is concerned with molecular, cellular, and human biology. Structure and function of the healthy human being are approached by multidisciplinary teaching by instructional committees composed of members of the Departments of Anatomy, Biochemistry, Physiology, and various clinical departments. To strengthen skills or to extend or deepen knowledge, the student pur-

sues two months of elective courses, chosen from a wide variety of offerings.

The second year, or Phase II of the curriculum, is concerned with the study of the biology of disease. The structural and functional abnormalities which occur in disease are studied in an interdisciplinary program, coordinating microbiology, pharmacology, pathology, and pathologic physiology. Physical diagnosis is taught in relation to the study of pathophysiology. Additional contributions are made by the Departments of Anesthesiology, Biochemistry, Community Medicine, Dermatology, Medicine, Obstetrics and Gynecology, Neurology, Pediatrics, Psychiatry, and Surgery. Following this seven month core, the student pursues two months of electives.

During Phase III of the curriculum, the student is required to take five basic clerkships to provide adequate fundamental clinical grounding. The twelve-week medical clerkship is taught by the faculties of the Departments of Medicine, Psychiatry, Dermatology, Community Medicine, and Radiology. The eight-week surgical clerkship is taught by the Department of Surgery, including the subspecialty divisions and the Department of Anesthesiology. In addition, a six-week clerkship is taught by the Department of Obstetrics and Gynecology, a six-week clerkship by the Department of Pediatrics, and a four-week clerkship by the Department of Psychiatry.

The balance of the third and fourth years is filled by elective courses which can be advanced clerkships in the various clinical departments, including Medicine, Surgery, Obstetrics and Gynecology, Psychiatry, Neurology, Pediatrics, Dermatology, Radiology, and Anesthesiology, as well as electives in basic sciences. Research electives are available. Electives may also be taken in other institutions upon approval by the appropriate department of the School of Medicine and the faculty Curriculum Committee.

The biological sciences and clinical sciences are taught by various departments of the Medical College of Georgia, School of Medicine. Courses for students of the School of Medicine are listed below:

REQUIRED CLERKSHIPS—PHASE III

MED 500. Basic Clerkship in Medicine.

A three-month medical clerkship intended to provide a basic grounding for clinical medicine. It is organized to help

students learn to obtain and evaluate information regarding patients by participating in the health care team. The clerkship emphasizes basic approaches to solving problems presented by illness, particularly in the realm of internal medicine.

Scheduled: June, September, December, March

OBG 500. Clinical Reproductive Biology.

This required basic clerkship of six-weeks duration combines inpatient and outpatient experience in human reproduction and in disorders of the female reproductive system. The student will spend three weeks on the obstetric service and three weeks on the gynecology service at ETMH. Seminars and conferences will be correlated with the Department of Pediatrics and will be scheduled for a 12 week period, covering the time spent on this clerkship and on the required Basic Pediatric Clerkship.

Scheduled June through May

PED 500. Basic Clerkship in Pediatrics.

A six-weeks pediatric clerkship to provide basic grounding in child health and human development. It is organized to help students develop skills in pediatric history taking and physical diagnosis and in the interpretation of laboratory findings in the various age groups, including infancy. Experience will be gained in the approach to children's health problems in a wide variety of settings, including nursery, ward, and outpatient clinics. The recognition of normal developmental patterns as well as the impact of age in the expression of disease will be emphasized.

Scheduled June through May

PSY 500. Basic Psychiatry.

This required clerkship will provide the student with intensive experience with psychiatric inpatients. With collaboration and guidance of the staff, he will do a complete work-up on assigned patients, including physical examination, mental status, and psychodynamic case formulation. He will then proceed with treatment with emphasis on supervised psychotherapy, but including medication and other therapies as indicated.

Scheduled June through May

SUR 500. Clinical Surgery *(Including Anesthesiology and Emergency Medicine)*

This eight-week course is the basic course required of all students and is the prerequisite for many surgical electives

involving contact with patients. Instruction includes basic concepts of Emergency Medicine and Anesthesiology. Students are assigned patients in General Surgery for total patient care participation, including complete write-ups and participation in operative procedures. They take part in ward rounds, conferences, tumor conferences, journal club, seminars, and informal discussions. Student activities involve both inpatients and outpatients. The course includes "Surgical Techniques", an exercise in which students perform standard operations on anesthetized animals.

Scheduled: June through May

ANATOMY

Chairman: Gatz.

Faculty: Allen, Bernard, Bowles, Hawkins, McDonald, McKenzie, Seliger, Wellband.

ANM 501. Anatomy of Head, Neck and Trunk. *(Special Elective).*

ANM 502. Histology. *(Special Elective).*

ANM 503. Anatomy of Extremities. *(Special Elective).*

ANM 504. Neuroanatomy. *(Special Elective).*

ANESTHESIOLOGY

Chairman: Volpitto.

Faculty: DeVore, Gramling, Mitchell, Osborne, Rico, Rojas, Spears.

Clinical Faculty: Bittle, Rucker, Waters, J. Williams.

ANS 501. Anesthesiology Four Week Clerkship.

ANS 502. Anesthesiology Research Fellowship. *(Special Elective).*

ANS 503. Anesthesiology Teaching Fellowship. *(Special Elective).*

BIOCHEMISTRY

Chairman: Singal (Acting).

Faculty: Behal, Crounse, Dirksen, Hall, Harms, Howard, Huisman, Latif, Leibach, Nelson, Rosett, McPherson, L. Smith, Wycoff.

BIO 501. Topics in Biochemistry. *(Special Elective).*

COMMUNITY MEDICINE

Chairman: Garrison.

Faculty: Anderson, Dallman, Gullen, Payne, Pogue, Singletary, L. Thomas.

Clinical Faculty: D. Glover, Hames, Poda.

CMD 501. Public Health.

CMD 502. Epidemiologic Research. *(Special Elective).*

CMD 503. Training in Other Institutions. *(Special Elective).*

CMD 504. Cardiovascular Epidemiology. *(Special Elective).*

DERMATOLOGY

Chairman: J. Graham Smith, Jr.

Faculty: Abele, Crounse, Goodman, Rosett, Rumen.

Clinical Faculty: Esther C. Smith, E. Smith.

DER 501. Dermatology Clinical Clerkship.

DER 502. Dermatology Research Training Program. *(Special Elective).*

ENDOCRINOLOGY

Chairman: Gleenblatt.

Faculty: Byrd, Ellegood, Mahesh, Muldoon, Scholer.

Clinical Faculty: Clark, Jungck.

END 501. Elective in Clinical Endocrinology.

END 502. Research in Endocrinology. *(Special Elective)*

MEDICINE

Chairman: Bollet.

Faculty: Abele, Asokan, Bailey, W. Brown, Carr, C. H. Carter, M. J. Carter, Chew, Cook, Cundey, Dalton, Dennis, Dunlap, Ed-

monds, L. Ellison, Findley (Emeritus), Flowers, Fordham, Frank, Gardner, Garrison, Ginsberg, Harper, Hobbs, Horan, Hudson, Johnson, Killam, Kilpatrick, C. King, G. King, J. Lewis, Livingston, Martin, Mealing, Moore, Moores, Morgan, Owens, Payne, Postell, Sahba, Singletary, Smith, Sussman, Temple, Thomas, Tyler, Walters, Webster, Witham, Wright.

Clinical Faculty: Agostas, Alvarez-Mena, Battey, Blitch, Botnick, Brocato, Byne, Clark, Clary, Cranston (Emeritus), Douglas, Erwin, Gray, Hair, Hames, Handy, Hock, Klemann, Knight, Krishan, Lee (Emeritus), Mayfield, Montgomery, Parmley, Peskin, Phinizy, Reeves, Shiver, Van Giesen, Victor.

Departmental Manager: Patricia Mangum.

MED 501. Substitute Internship.

MED 502. Substitute Internship.

MED 503. Substitute Internship.

MED 504. Substitute Internship.

MED 505. Substitute Internship.

MED 506. Substitute Internship.

MED 507. Rheumatology.

MED 508. Rheumatology.

MED 509. Hematology.

MED 510. Clinical Endocrinology and Metabolism.

MED 511. Renal Disease.

MED 512. Cardiology.

MED 513. Cardiology.

MED 514. Gastroenterology.

MED 515. Gastroenterology.

MED 516. Medical Chest.

MED 517. VA Medical Chest Service.

MED 518. Infectious Disease.

MED 519. Infectious Disease.

MED 520. Preceptorship in Internal Medicine. *(Special Elective).*

MED 521. Preceptorship in Renal Medicine. *(Special Elective).*

MED 522. Off-Campus Elective. *(Special Elective).*

MED 523. Research Elective in Medicine. *(Special Elective).*

MED 524. College Health. *(Special Elective).*

MED 525. Physical Medicine. *(Rhematology) (Special Elective).*

MED 526. Research in Clinical Endocrinology and Metabolism. *(Special Elective).*

MED 527. Electronics in Medicine.

MICROBIOLOGY

Chairman: Dienst.

Faculty: Bard, Behal, Best, Brownell, Burnett, Denton, Gardner, Lefkowitz, Robinson Roesel, Singal.

MIB 501. Medical Parasitology. *(Special Elective).*

MIB 502. Experimental Virology. *(Special Elective).*

MIB 503. Advanced Immunology. *(Special Elective).*

MIB 504. Bacterial Genetics. *(Special Elective).*

MIB 505. Diagnostic Bacteriology. *(Special Elective).*

OBSTETRICS AND GYNECOLOGY

Chairman: Scoggin.

Full-Time Faculty: Bohler, Bronstein, Bryans, Greene, McDonough, McNamara, Nelson, Scholl, Talledo, Wasserwald, Wilds.

Part-Time Faculty: Barfield, Boyd, Burgamy, Bruns, Coleman, Echols, Faulkner, Gibson, Goldberg, Harrison, Jackson, Mitchell, Neal, Persall, Powell, Pryor, Scoggins, Shirley, Story, Thurmond, Torpin, Watson, Williams.

Departmental Manager: John C. Jordan, Jr.

OBG 501. Off-Campus Elective in Clinical Ob-Gyn. *(Special Elective).*

OBG 502. Obstetrics and Gynecology—University Hospital.

OBG 503. Obstetrics and Gynecology—University Hospital.

OBG 504. Obstetrics and Gynecology—Ft. Gordon.

OBG 505. Obstetrics and Gynecology—Ft. Gordon.

PATHOLOGY

Chairman: Stoddard.

Faculty: Akamatsu, Barton, Chandler, Hobbs, John-Sanchez, Mills, Otken, Puchtler, Sesta, Shepeard, Teabeaut, Thornton, Waldrop.

Clinical Faculty: Franco, Hand, Hastings, Ihnen, Mitchener, D. F. Mullins, W. B. Mullins, Murphy, O'Quinn.

Director of Autopsy Facilities: Harold M. Conner.

Departmental Manager: Grace C. Thompson.

PTH 501. Anatomic Pathology. *(Special Elective).*

PTH 502. Current Autopsy Case Studies. *(Special Elective).*

PTH 503. Exfoliative Cytology. *(Special Elective).*

PTH 504. Experimental Thrombosis. *(Special Elective).*

PTH 505. Laboratory Microbiology. *(Special Elective).*

PTH 506. University Hospital Pathology Laboratory. *(Special Elective).*

PTH 507. Experimental Cancer Research. *(Special Elective).*

PTH 508. Lesions of the Myocardium: Correlation of Histochemical & Clinical Observations. *(Special Elective).*

PTH 509. Investigation of Ring Fibers & Myoendothelial Cells in Various Lesions of the Spleen. *(Special Elective).*

PTH 510. Investigation of Myoid Structures in Fibrosis. *(Special Elective).*

PTH 511. Investigation of Myoid Material in Bile Canaliculi and Ducts in Hepatic Disease. *(Special Elective).*

PTH 512. More About Interesting Cases.

PTH 513. Toward A New Human Pathology.

PEDIATRICS

Chairman: (Acting) A. Brown.

Faculty: F. Anderson, Aziz, Bennett, Bowen, A. Brown, Dunaway, Ellington, Fair, Folger, Green, Hahn, Hollowell, O'Rear, Owings, Rice, Thevaos, N. Thornton, Whitaker, Wray.

Clinical Faculty: Bailey, Clements, Dunagan, Harper, Massengale, McGahee, Pursley, Sanders, Scharff, Tanenbaum, Tanner, Watson, Wilkes.

Departmental Manager: Aven King.

PED 501. Pediatric Clerkship.

PED 502. Neonatology Clerkship and Newborn Follow-Up.

PED 503. Ft. Gordon Pediatric Clinic.

PED 504. Clerkship in Intensive Care of the Fetus and Newborn.

PED 505. Pediatrics Preceptorship. *(Special Elective).*

PED 506. Comprehensive Health Clinic (Children & Youth).

PED 507. Comprehensive Health Clinic (Children & Youth).

PED 508. Mental Retardation.

PED 509. Mental Retardation.

PED 510. Multidisciplinary Approach To The Child With A Birth Defect.

PED 511. Neonatal and Pediatric Hematology.

PED 512. Neonatal and Pediatric Hematology.

PED 513. Pediatric Specialty Clinic.

PED 514. Pediatric Specialty Clinic.

PED 515. Pediatric Research. *(Special Elective).*

PED 516. Neonatology Research. *(Special Elective).*

PED 517. Research in Developmental Biology. *(Special Elective).*

PED 518. Pediatric Cardiology.

PED 519. Pediatric Cardiology.

PED 520. Clinical Allergy.

PED 521. Respiratory Illness in Children.

PED 522. Respiratory Disease Research. *(Special Elective).*

PHARMACOLOGY

Chairman: (Acting) Ahlquist.

Faculty: Gangarosa, Geber, Jerram, Karow, Kling, Riley, Sutherland.

PHM 501 Clinical Pharmacology. *(Special Elective).*

PHM 502. Teratology Laboratory. *(Special Elective).*

PHM 503. Molecular Mechanisms of Drug Action. *(Special Elective).*

PHM 504. Neonatal and Infant Pharmacology. *(Special Elective).*

PHM 505. The Adrenergic Receptor: General & Clinical Studies. *(Special Elective).*

PHM 506. Pharmacology of Cardiovascular Drugs: Experimental & Clinical. *(Special Elective).*

PHYSIOLOGY

Chairman: Dow.

Faculty: Bohler, D. Davis, Ginsburg, McKenney, R. Morse, O'Brien, Reichard, Remington, Weatherred.

PHY 501. Topics in Physiology. *(Special Elective).*

PSYCHIATRY AND NEUROLOGY

Chairman: E. J. McCranie.

Faculty: Bishop, Burroughs, Butler, Chambers, Collings, Collins, Edwards, K. Jones, M. Jones, Longley, Marshall, M. McCranie, McDonald, McGarity, Mushet, Poston, Quillian, Rosengart, Sell, Sisson, Threlkeld, Wellband, Wiggins, Williams, Wood.

Clinical Faculty: Cleckley, Craig, Curtis, Dunn, Hutchinson, Johnson, Moss, Robinson, W. Smith, Thigpen.

PSY 501. Behavioral Therapy Research Elective. *(Special Elective).*

PSY 502. General Psychiatry Tutorial. *(Special Elective).*

PSY 503. Personality Development and Child Psychiatry. *(Special Elective).*

PSY 504. Psychophysiology Research Elective. *(Special Elective).*

PSY 505. Adolescent Psychiatry.

PSY 506. Adolescent Psychiatry.

PSY 507. Child Psychiatry.

PSY 508. Child Psychiatry.

PSY 509. Clinical Clerkship. *(Special Elective).*

PSY 510. General Outpatient Psychiatry.

PSY 511. Psychosomatic Medicine.

NEU 501. Basic Clerkship in Neurology.

NEU 502. Advanced Clerkship in Neurology.

NEU 503. Advanced Clerkship in Neurology.

NEU 504. Advanced Clerkship in Neurology.

NEU 505. Clerkship in Neurology.

NEU 506. Tutorial. *(Special Elective).*

NEU 507. Preceptorship in Neurology. *(Special Elective).*

NEU 508. Preceptorship in Neurology. *(Special Elective).*

RADIOLOGY

Chairman: M. Brown.

Faculty: Brizel, Carlton, Clay, Gammal, C. Hall, Hogue, Pool, Reichard, Strong, Teeslink, Wege.

Clinical Faculty: S. W. Brown, Levy.

Departmental Manager: W. T. McKettrick.

RAD 501. Diagnostic Radiology.

RAD 502. Radiobiology. *(Special Elective).*

RAD 503. Radiobiology. *(Special Elective).*

RAD 504. Advanced Clerkship in Diagnostic Radiology. *(Special Elective).*

SURGERY

Chairman: Moretz.

Faculty: M. Allen, Becton, Blanchard, Bliven, Brackney, M. J. Bridges, Edmondson, L. T. Ellison, R. G. Ellison, Engler, J. Fair, Flanagin, H. R. Finney, E. S. Forrester, Gindin, Humphries, Jelenko, Jennings, Karow, Lucas, Matthews, W. H. Meeks, McPherson, Parrish, G. Puryear, Rhode, J. R. Rinker, Sabatelle, Selmonosky, Saunders, Thomas, Vaughan, D. C. Williams, Wilson, Witherington, Wray.

Clinical Faculty: Bailey, A. M. Battey, Bowen, Bridges, Caldwell, Carrington, Carswell, Chandler, Corpe, Daniel, Everett, Freeman, Galloway, Goodwin, Jones, Kay, Kelly, Lee, Manganiello, McInnes, McKnight, McRae, C. S. Mulherin, J. Mulherin, Nichols, Owings, Perkins, Pinson, Rhodes, Roule, Shepherd, H. C. Sherman, Whelchel, C. A. White, W. O. White.

Departmental Manager: Samuel Korach.

GENERAL SURGERY

SUR 501. Clerkship.

SUR 502. Research Elective. *(Special Elective).*

SUR 503. **Tutorial.** *(Special Elective).*

SUR 504. **Preceptorship.** *(Special Elective).*

SUR 505. **Off-Campus Experience.** *(Special Elective).*

SUR 506. **Special Surgical Clerkship.**

SUR 507. **Kidney Transplantation.**

SUR 508. **Kidney Transplantation.**

SUR 509. **The Burn Wound: Some Physiologic and Biophysical Aspects.** *(Special Elective).*

NEUROSURGERY

SUR 511. **Neurosurgery Clerkship.**

SUR 512. **Neurosurgery Research Elective.** *(Special Elective).*

SUR 513. **Neurosurgery Tutorial.** *(Special Elective).*

SUR 514. **Neurosurgery Preceptorship.** *(Special Elective).*

SUR 515. **Neurosurgery Off-Campus Experience.** *(Special Elective).*

OPHTHALMOLOGY

SUR 521. **Ophthalmology Clerkship.**

SUR 522. **Ophthalmology Research Elective.** *(Special Elective).*

SUR 523. **Ophthalmology Tutorial.** *(Special Elective).*

SUR 524. **Ophthalmology Preceptorship.** *(Special Elective)*

SUR 525. **Ophthalmology Off-Campus Experience.** *(Special Elective).*

ORTHOPEDICS

SUR 531. **Orthopedics Clerkship.**

SUR 532. **Orthopedics Research Elective.** *(Special Elective).*

SUR 533. **Orthopedics Tutorial.** *(Special Elective).*

SUR 534. **Orthopedics Preceptorship.** *(Special Elective).*

SUR 535. **Orthopedics Off-Campus Experience.** *(Special Elective).*

SUR 536. **Hand Surgery.** *(Special Elective).*

THORACIC AND CARDIAC

SUR 541. **Thoracic and Cardiac Clerkship.**

SUR 542. Thoracic and Cardiac Research Elective. *(Special Elective).*

SUR 543. Thoracic and Cardiac Tutorial. *(Special Elective).*

SUR 544. Thoracic and Cardiac Preceptorship. *(Special Elective).*

UROLOGY

SUR 551. Urology Clerkship.

SUR 552. Urology Research Elective. *(Special Elective).*

SUR 553. Urology Tutorial. *(Special Elective).*

SUR 554. Urology Preceptorship. *(Special Elective).*

SUR 555. Urology Off-Campus Experience. *(Special Elective).*

CURRICULUM BULLETIN

The courses offered are not limited to those listed above, and new courses are frequently introduced into the curriculum. It is possible that some of the courses listed may be withdrawn from the curriculum with the approval of the Curriculum Committee and the Dean of the School of Medicine. Course descriptions can be found in the Phase III Curriculum Bulletin, a copy of which may be obtained by writing to the Curriculum Office, School of Medicine, Medical College of Georgia, Augusta, Georgia 30902.

SPECIAL PROGRAMS

Guest Lecturers

Throughout the year, distinguished physicians and scientists from other schools and from overseas visit the various departments of the Medical College of Georgia and participate in the departmental teaching programs.

Distinguished lecturers address the whole school each year.

In addition, the following special lectureships are held: (1) The Aaron Brown Memorial Lecture, sponsored by Phi Delta Epsilon Fraternity; (2) The Alpha Lecture, sponsored by the honor fraternity; (3) The Sydenstricker Lecture, in honor of the late Dr. Virgil P. Sydenstricker, a distinguished member of the faculty for many years, sponsored by the Student American Medical Association.

Research Fellowships

The Medical College of Georgia has an extensive summer research fellowship program in which students work closely with faculty investigators on specific problems. The program is administered through the Office of the Associate Dean for Basic Sciences.

This is an elective, but important, component of the students' educational experience, allowing them to participate in research and to develop an understanding of the methods, philosophies, and problems involved.

Each Spring, selected papers are presented at Student Research Day exercises. Prizes are awarded, and the best papers selected for presentation at national meetings.

SCHOLARSHIP AND PROMOTION

Promotion of students from one year to the next is dependent upon the satisfactory completion of each year's work. Promotions are considered on the basis of recommendations by individual instructors, on department evaluations, and on students' total records, including National Board Examinations, when given.

The faculty has the obligation and right to determine the methods of evaluation by performance or by examination, and to evaluate each student individually. Comprehensive oral examinations may be scheduled at the end of the second and fourth years on the advice of the Promotion Board.

REQUIREMENTS FOR GRADUATION

The degree of Doctor of Medicine is awarded to candidates who have successfully completed the prescribed course of study. Evaluation of the members of the graduating class is similar to that for each of the other classes.

The Medical College of Georgia awards the degree of Doctor of Medicine only to those candidates for graduation who are at least 21 years of age. The Promotion Board must be satisfied that the candidate has completed acceptably four years of medical study in accredited institutions, and that he will be a credit to the medical profession.

At least his final two years of study must have been at this school.

The college reserves the right to require one year internship before awarding the degree of Doctor of Medicine to any student.

ALPHA OMEGA ALPHA

A chapter of this honorary scholastic fraternity in medicine was established at the Medical College of Georgia in 1926. Each year, students of the third and fourth year classes are nominated on the basis of academic excellence, and elections are held by active members of the chapter.

POSTDOCTORAL TRAINING PROGRAMS

The Medical College of Georgia has internship and residency programs which have been approved by the Council on Medical Education and Hospitals of the American Medical Association. The teaching hospital of the college, Eugene Talmadge Memorial Hospital, is the parent hospital for these programs, but integration and/or affiliation with the University Hospital, Augusta, Georgia; the Veterans Administration Hospitals, Augusta, Georgia; Gracewood State School and Hospital, Gracewood, Georgia; Battey State Hospital, Rome, Georgia; and the Macon Hospital, Macon, Georgia; may be included. A brief outline of the various training programs is given below. Applicants seeking residency training may apply either to the departmental chairman or to the administrator, Eugene Talmadge Memorial Hospital.

INTERNSHIPS

(Applicants should register with the National Intern Matching Program, 2530 Ridge Avenue, Evanston, Illinois 60201.)

MEDICINE

Alfred Jay Bollet, M.D.
Professor and Chairman

The Medical Internship is a straight service consisting of eight months on the general Medical Wards, one month in the Emergency Room (at the University Hospital) and three months elective.

OBSTETRICS AND GYNECOLOGY

William A. Scoggin, M.D.
Professor and Chairman

Four Rotating Internships are offered by the Department of Obstetrics and Gynecology. These internships have a mandatory assignment of at least four months of Obstetrics-Gynecology and at least four months of Medicine.

PATHOLOGY

Leland D. Stoddard, M.D.
Professor and Chairman

The Straight Internship in Pathology is offered to recent graduates whether or not they have decided about later training. The intern's experience is like that of a first-year resident. His study of human disease is excellent preparation for any clinical field. If he decides to continue in Pathology, it is a year saved that can be spent later in special research training. An elective in one of the clinical disciplines may be arranged.

PEDIATRICS

Audrey K. Brown, M.D.
Professor and Acting Chairman

Four Straight Internships are available. The year is spent on the general Pediatric Wards of the Talmadge Hospital and in the outpatient clinic. There is a three-month elective period.

SURGERY

William H. Moretz, M.D.
Professor and Chairman

Four Straight Surgical Internships are offered. Eight months of the year are devoted to Surgery, primarily General Surgery, although two months may be spent in a Surgical subspecialty. One or two months in the Emergency Room may also come from the eight months of Surgery. Four elective months are provided and may be spent in Medicine, Pediatrics, or Pathology.

ROTATING INTERNSHIPS

Sixteen Rotating Internships are offered and are of two types: Rotating^{3} and Rotating^{9} as listed in the American Medical Association Directory of Approved Internships and Residencies.

Rotating^{3} Internships are discussed in the Obstetrics-Gynecology section above.

Rotating^{9} Internships offer any of the Programs from Rotating^{0} through Rotating^{8}. The Rotating Program allows maximum latitude of choice in the content of the intern's year since four months of Internal Medicine is the only

specific requirement. Such latitude will require special counseling for each applicant to ensure that the program selected best suits his long range plans. The required months of Medicine will be divided between the Talmadge and Veterans Administration Hospitals. Twelve positions are available.

Inquiries about STRAIGHT or ROTATING[3] INTERNSHIPS should be directed to the appropriate Department Chairman.

Inquiries about the ROTATING[9] INTERNSHIPS should be sent to Chairman, Intern Selection Committee, Medical College of Georgia, Talmadge Hospital, Augusta, Georgia 30902.

RESIDENCIES

Anesthesiology. Prerequisite: a minimum of one year internship. A two or three year residency training is offered all in the teaching hospital. The two-year program is basically clinical training in Anesthesiology. The three-year program offers in addition a total of one year of variable time on electives such as cardiology, cardiopulmonary laboratory, pharmacology, physiology, anatomy, etc. If the resident desires, he may spend part of the entire year in research activities. *Dr. Perry P. Volpitto.*

Dermatology. The residency training program in Dermatology is for three years with emphasis on both clinical and basic scientific aspects of cutaneous medicine. Patients are seen in our out-patient clinics at the Talmadge, University, and Veterans Administration Hospitals. There are ten in-patient beds at the Talmadge Hospital and beds are available at the V.A. Hospital on a "need basis." Training is a graduated one with increased responsibility in the care of patients accruing throughout the program. Regular weekly conferences include Dermatology Grand Rounds, histopathology conference, basic science seminar, journal club and didactic conferences. In order to develop the critical capacity necessary to evaluate advances in Dermatology, residents rotate through the research laboratories for periods of two to twelve months fulltime during their training, and are required to complete a clinical or laboratory research project during the three year training period. *Dr. J. Graham Smith, Jr.*

Internal Medicine. A straight medical internship which allows an elective period and emergency room experience

is offered. There also is a three-year residency program integrated with the University Hospital and the Veterans Administration Hospital. One year of internship is prerequisite to entering the residency. Fellowships are available in cardiology, cardiovascular research, hematology, infectious disease, metabolism, and other areas. Training rounds and conferences are held daily for house officers and students. *Dr. A. Jay Bollet.*

Neurology. The neurology residency training program is approved for the full three years; two residents are appointed each year. The chief goal of the training program is the development of clinical neurologists competent in the care of patients with diseases of the nervous system. The first year is spent on the neurology inpatient service; the second year is spent in rotations in neuropathology, psychiatry, EEG and EMG laboratories, and a three-month elective period. Six months of the third year are spent in charge of the neurology outpatient clinics and consultations, and six months are spent as Chief Resident supervising the inpatient service. During the three years, the resident participates in organized study of basic neurosciences, has an active role in teaching medical students and junior residents, and is given increasing responsibilities in management of patients under the supervision of faculty members of the Division of Neurology.

Dr. Harold Collings, Jr.

Obstetrics and Gynecology. A four-year residency program is offered. Residents spend a minimum of three years (18 months in obstetrics and 18 months in gynecology) in the department with progressive responsibility each year that fulfills the requirements for Board eligibility. One year may be spent outside the department and might include three-month rotations through urology, endocrinology, medicine, general surgery, pathology, and research. The program is academically oriented and designed to prepare the resident for clinical practice. Residents are expected to participate in student teaching and assist on research projects. The residency program rotations include both the teaching hospital and the University Hospital. *Dr. William A. Scoggin.*

Pathology. The training program offers one year of internship and five years of residency. The resident physician participates in research, the student teaching program, and in the department's autopsy, surgical, pathological, and clinical pathological services. One to three years may be spent in full-time research. Three fellowships in path-

ology are supported by a research training grant from the National Institutes of Health. Places are available to persons preparing for academic pathology, the practice of pathology, and to those who may desire a year or more of training in pathology in preparation for another discipline. *Dr. Leland D. Stoddard.*

Pediatrics. A straight internship is offered. The residency program consists of two years, the second year being affiliated with the University Hospital. A third year residency is available if desired. One year of internship is a prerequisite. Fellowships for work or research in special areas may be arranged. *Dr. Audrey K. Brown.*

Psychiatry. The Department has a fully approved three-year residency program in psychiatry. Detailed information about the program may be obtained on request. *Dr. E. James McCranie.*

Radiology. A three-year residency program is offered for which a year of internship is prerequisite. *Dr. Mark D. Brown.*

SURGERY RESIDENCES

General Surgery. An integrated program including the teaching hospital, University Hospital, and the Veterans Administration Hospital. This program is 4, 4½, or 5 years in length, with prerequisite of one-year internship. There is graduated responsibility with a wide range of patient problems. 10 to 12 first-year residents, and 4 to 6 residents at each more advanced level. Not pyramidal. *Dr. William H. Moretz.*

Neurosurgery. A five-year program with prerequisite of one-year internship and one year general surgery residency or one year straight surgical internship, 5 residents. Residents serve in the teaching hospital, University Hospital, or Veterans Administration Hospital. *Dr. Marshall B. Allen.*

Ophthalmology. A three-year program with one-year internship prerequisite. Serve primarily in the teaching hospital with additional duties in University Hospital Clinic and Veterans Administration Hospital. *Dr. Robert P. Thomas.*

Oral Surgery—Dentistry. A three-year internship-residency program in oral surgery is offered at the Eugene Talmadge Memorial Hospital in conjunction with University and Veterans Administration Hospitals. The

objective of the program is the education of a skilled clinician, competent in all phases of oral surgery practice, and capable of satisfying the requirements of the American Board of Oral Surgery. The educational requirements of the Board are advanced study in oral surgery for a period of three years, including comprehensive study of the basic biological sciences as they relate to oral surgery, and a progressively graduated sequence of approved hospital experience of not less than two years duration. The basic biological sciences are presented mainly during the first year accompanied by some clinical activity. The final two years are largely clinical in nature with a continuation of emphasis on the biological sciences through conferences and seminars. The dental departments of the affiliated hospitals have been approved by the Council on Hospital Dental Service of the American Dental Association and preliminary provisional approval has been received for the oral surgery internship-residency program. *Richard G. Topazian, D.D.S.*

Orthopedic Surgery. A three-year program. Prerequisites include a year of internship and one year of general surgery residency training. Primarily serve in the teaching hospital with affiliation in University Hospital and Veterans Administration Hospital. Six residents, two at each residency level. *Dr. Floyd E. Bliven, Jr.*

Thoracic Surgery. A two or three-year program. Prerequisites include internship and four years of general surgery residency (with chief residency). Primarily in teaching hospital with rotations through Battey State Hospital, Rome, Georgia, and Veterans Administration Hospital, Augusta, Georgia. Four residents. *Dr. Robert G. Ellison.*

Urology. A three-year program with prerequisites of one-year internship and one year in a field basic to urology (usually a year in general surgery). Serve in the teaching hospital. Four residents. *Dr. J. Robert Rinker.*

CONTINUING EDUCATION

The objective of continuing education is to preserve and increase professional knowledge and competence throughout the entire career of professional health workers. The Division of Continuing Education in close cooperation with other departments at the Medical College has the responsibility for developing and promoting educational activities to assist professional health workers in maintenance and further development of their skills.

Types of Courses

Campus Symposia. Numerous courses lasting from one to five days are presented each year.

Physicians Continuing Education Series. In several selected cities throughout Georgia a series of one-day medical symposia are presented each year.

Intermittent Courses. Each session of these courses usually lasts a few hours, and sessions are held at specified times over a period of months.

Special Technic Workshops. Workshops in laboratory, diagnostic, and therapeutic procedures offer enrollees an opportunity to obtain practical experience.

Clinical Traineeships. Experience in wards or laboratories for periods of one week or longer is offered by special arrangement with the chairman of the department concerned and the Division of Continuing Education.

Program Announcements

Prior to each course, brochures describing the topics, faculty, meeting place, time, and registration fees are mailed to the group of professional health workers for whom the course was developed.

Credits

Instruction presented in this program is not designed to give credit toward specialty qualification or academic degrees.

Attention is given to the requirements of the American Academy of General Practice, and attendance at most courses is accepted for credit by the Academy.

Fees

The enrollment fees for continuing education courses are listed for each course separately and are based on guest faculty participation, hours of instruction, and equipment required.

Residents, interns, medical students, and Medical College of Georgia faculty may attend most courses without fees. Certain courses are restricted and have limited enrollment. *Dr. Glen E. Garrison.*

Dean:	Hickey.
Associate Deans:	Boucher, Zwemer.
Business Coordinator:	Lackman.
Faculty:	Badger, Beaudreau, Boucher, Bowers, Brown, Brucker, Burnett, Carr, Damon, Dirksen, Fritz, Galbaugh, Gangarosa, Gardner, Getter, Grasso, Hammer, Hawkins, Hickey, Kinzer, Kolas, Leonard, Loft, Marble, Morse, Outhwaite, Pennel, Pfau, Rackley, Rahn, Rice, Seliger, Topazian, Voth, Weatherred, Wege, White, Williams, Zwemer.

PHILOSOPHY

Dentistry is one of the important health professions, bonded by common goals and objectives. The dentist, the physician, and the health scientist share in contributing to the total health of the individual and his community.

The dentist, in this concept, must have specific knowledge of and skills in the diagnosis, prevention, and treatment of diseases associated with the oral cavity, as well as a biological understanding of oral health and disease in terms of total health and disease. Furthermore, he must be able to correlate both areas of knowledge to fulfill his role and effectively communicate with colleagues in all health professions.

An understanding of the scientific method is necessary for the dentist to evaluate proposed methods of diagnosis, prevention, and treatment and to aid in the development of new, sound and effective methods. Finally, he must have a sense of obligation to serve individual and community needs.

With these concepts representing the philosophy of the school, the purpose of the Medical College of Georgia School of Dentistry is to educate students to accept and to discharge competently the responsibilities of preserving individual and community health.

OBJECTIVES

The Medical College of Georgia School of Dentistry has set before it the objectives of teaching, research, and service that are common to all institutions of higher learning. In specific relation to the School of Dentistry they may be stated as:

1. To educate dentists and the broad spectrum of allied personnel required to provide for the present and future oral health needs of the total community.

2. To foster and conduct active research programs in basic and applied areas of dentistry as well as supporting experimentation and innovations in the art and science of dental education.

3. To provide preventive, diagnostic, and therapeutic dental services to citizens of the State of Georgia in cooperation with other health and educational related organizations, and in accordance with the available physical facilities and teaching faculty of the School of Dentistry.

APPLICATION AND ADMISSION REQUIREMENTS

Requirements:

1) American Dental Association Aptitude Test (given in October, January and April)

2) Personal Interview

3) Years of College—two years minimum, including completion of the following college courses:

	Quarter Hours	*Semester Hours*
English	10	6
Inorganic Chemistry	10	6
Organic Chemistry	5	3
Biology or Zoology	10	6
Physics	10	6

Please Note: These are minimum requirements as specified by the American Dental Association. Great emphasis will be placed on academic performance during selection procedure. Majors in social sciences, psychology, and humanities will be given equal consideration with those in biology and physical sciences.

Application:

The first class of dental students was accepted in 1969. Class size will be 36 students in 1970 and 48 students beginning in 1971. Application forms will be available July 1 and must be submitted by the following March 31. Both men and women will be considered for acceptance.

CURRICULUM

Design and Emphasis:

The pre-doctoral curriculum offered by the Medical College of Georgia School of Dentistry will require four academic years and will lead to the D.M.D. degree. The curriculum will initially emphasize the basic sciences with an expanding emphasis upon the clinical sciences. Courses in the fundamental principles within each basic science discipline, coupled with early clinical exposure, will enable the student to make a lasting correlation of the basic and clinical sciences. The student's knowledge and familiarity with the basic sciences will be reinforced with applied courses in each discipline. This early and continuing correlation is designed to educate the student to respect biological systems and to develop a basic understanding of the response of tissue to stimuli.

The expanding needs of society must be anticipated with emphasis on preventive dentistry and community health. The academic divisions of biologic sciences, clinical sciences, and preventive dentistry and community health will be interrelated throughout the curriculum. Courses relating to principles of public health dentistry, epidemiology of caries and peridontal disease, statistical methods, behavioral aspects of patient populations, dental ethics, and jurisprudence will be a meaningful part of the curriculum. Practical field experiences will be arranged for dental students in epidemiologic, preventive, and other appropriate community activities. Preventive dentistry will be the over-riding theme of all clinical disciplines.

First Year Courses:

Biochemistry
Cariology
Cell and Molecular Biology
Dental Radiology
Dental Terminology
Ecology of Dentistry
Maturation and Ageing
Occlusion
Operative Dentistry
Oral Diagnosis and Treatment Planning
Oral Disease Control Program
Orientation and History of Dentistry
Periodontics
Removable Partial Dental Prosthodontics
Status and Ethics of Contemporary Dentistry

Individual Student Development:

Each student will have opportunities for development and expression in specific areas of his interest and ability. A four-week period will be set aside each year in which elective courses and other structured situations will be available to students interested in academic pursuits. Students will be encouraged to contribute to the field of research and education. Those students demonstrating superior clinical ability and interest will be challenged with more complex technical and clinical problems. The student with motivation in the social aspects of the profession will be further challenged in preventive and community dentistry projects.

The Student and the Health Team:

The use of auxiliary personnel will be stressed as a realistic method of preparing the student for the efficient practice of dentistry. The clinical design will simulate a group practice environment with dental assistants, hygienists, and technicians playing an active role in comprehensive patient care. The close academic and physical relationship with the School of Medicine and the teaching hospital will provide an awareness of associated medical sciences and hospital orientation throughout all four years. This emphasis is desirable in preparing the student not only for contemporary practice, but for the future evolution of the profession.

The Student and Research:

The dental student will have opportunity to participate in faculty research projects in both basic and clinical areas. He will be encouraged to design and carry out projects of his own as well. The student also will be encouraged to participate in graduate, post graduate, and continuing education courses offered at the Medical College of Georgia and other dental schools within the United States as a part of the elective program.

Methods of Instruction:

The curriculum of the Medical College of Georgia School of Dentistry will be structured around a learning-oriented environment rather than the traditional teaching-oriented situation. Seminars and conferences, taking precedence over the lecture as a vehicle to stimulate independent thought, will give opportunity for expression and interchange upon the part of each student. Self-instructional materials will be used whenever possible to individualize instruction and preparation.

Master of Science

This advanced general degree is a research degree and will be conferred on candidates who have met requirements for it in the fields of Anatomy, Biochemistry, Endocrinology, Microbiology, Pharmacology and Physiology.

Master of Science in Medical Illustration

This advanced professional degree will be conferred on candidates who have met requirements for it in the field of Medical Illustration.

Master of Science in Nursing

This advanced professional degree will be conferred on candidates who have met requirements for it in the field of Nursing.

ADMISSION REQUIREMENTS

The following are required of each applicant for admission to the School of Graduate Studies.

The Doctor of Philosophy and Master of Science degree programs:

1. A bachelor's degree or equivalent from an accredited college or university.
2. Adequate preparation in the field of proposed graduate study, as determined by the graduate faculty in that field.
3. Satisfactory scores on the Aptitude Test and the Advanced Test of the Graduate Record Examination.
4. A satisfactory physical examination.

The Master of Science in Medical Illustration degree program:

1. A Bachelor of Science in Medical Illustration degree conferred by the Medical College of Georgia or an equivalent degree, as determined by the graduate faculty of the Department of Medical Illustration.
2. Adequate preparation in the field of Medical Illustration, as determined by the graduate faculty in that field.
3. A satisfactory admission examination.
4. A satisfactory physical examination.

The Master of Science in Nursing degree program:

1. A Bachelor of Science in Nursing degree or its equivalent from an accredited college or university having a program comparable to the Bachelor of Science in Nursing program of the Medical College of Georgia.
2. Adequate preparation in the field of Nursing, as determined by the graduate faculty in that field.
3. Evidence of current registration or licensure to practice nursing in one or more states.
4. Satisfactory scores on the Aptitude Test of the Graduate Record Examination and the National League for Nursing Graduate Nurse Examination.
5. A satisfactory physical examination.

REGISTRATION

All students begin registration at the School of Graduate Studies office. Prior to completion of registration at the Registrar's office, the academic program of the student is planned in consultation with the student's major professor or with the student's major department chairman before selection of a major professor. Changes in registration are recognized and valid only if they have been made with the consent of the major professor, the Dean, and the Registrar.

An applicant's registration and class attendance are considered an agreement to comply with the rules and regulations of the Medical College as published in the Bulletin and other official publications of the Medical College of Georgia during the student's continued enrollment.

A student's continued enrollment in the School of Graduate Studies is subject to the decision by the Dean and other designated officers that academic grades and progress are satisfactory, that rules of the Medical College are being complied with and that the best interests of the school and of other students are being served.

Auditors may take graduate courses, but no academic credit is allowed. Auditors pay usual tuition and laboratory fees.

FEES AND EXPENSES

Information concerning fees will be found on page GI 16 of this Catalog.

APPLICATION PROCEDURE

Instructions for making application for admission to the School of Graduate Studies are available from the Graduate Studies offices upon request.

Final selection of students for admission is subject to the discretion of the Dean of the School of Graduate Studies. Letters of acceptance will be sent by the Dean.

SCHOLASTIC REGULATIONS

Classifications of Graduate Students

Students may be admitted to the School of Graduate Studies under either of the following classifications:

1. **Regular Graduate Student.** A student who is admitted to the School of Graduate Studies, and who wishes to earn an advanced general degree or advanced professional degree. Such a student, however, is not specifically considered either a Doctoral or Masters student until he has met the requirements for Candidacy for a particular degree. (See degree requirements below).

2. **Special Graduate Student.** A student who is admitted to the School of Graduate Studies and who does not wish to earn an advanced degree, or who is admitted conditionally and who may later be re-classified as a Regular Graduate Student upon satisfaction of such conditions as may be specified. Transfer from this category to "Regular Graduate Student" status is never automatic.

Examinations

No re-examinations are allowed in the individual courses. Re-examination in the Comprehensive, Preliminary, or Final Oral Examinations may be allowed if recommended by the majority of the examining committee and if the Dean concurs.

Grades

The School of Graduate Studies uses the following grading system:

Grade	*Description*	*Quality Points*
For 600, 700 and 800 courses		
4	Passing, work of very good or excellent quality.	4
3	Passing, work of good quality, commendable but not outstanding.	3
2	Passing, work of acceptable but not commendable quality. A majority of the student's grades must be above 2.	2
0	Failing, work of unsatisfactory quality.	0
WP	Withdrawn Passing	Not computed
WF	Withdrawn Failing	Not computed
In	Incomplete	Not computed
Au	Auditor	Not computed
For 900 courses		
Cr	Credit for participation in seminar (901-2-3) or credit for conduct of research (921 or 930)	Not computed
In	Incomplete	Not computed
Ncr	Performance in seminars or research of such quality that no credit is given.	Not computed
W	Withdrawn	Not computed

All credit is expressed in quarter hours. An academic year is composed of three quarters. Only those courses for which a grade of "2" or better (or Cr on 900 courses) is received may be credited toward satisfaction of any degree requirement. Students who receive the grade "In" will have one quarter in which to complete the work for the course and remove this grade or it will be changed to "O", automatically at the end of the first quarter following receipt

of the "In". Continuation of study in good standing in the School of Graduate Studies is contingent on the maintenance of a minimum cumulative weighted quality point average of 2.8 in the 600, 700, and 800 courses. A student whose quality point average falls short of 2.8 will be automatically placed on academic probation in which case the student must maintain a weighted quality point average greater than 3.0 on 600, 700, and 800 courses for two consecutive quarters, in order to remove the probation. A graduate student will not be eligible for graduation unless his official Medical College of Georgia transcript shows that he has an overall weighted quality point average of 2.8 on **all** the 600, 700, and 800 (graduate) courses that he has taken at this institution.

Graduate Credit

In no instance may a graduate student apply toward a graduate degree course credits earned in programs leading to professional degrees, i.e., M.D., M.B., D.D.S., D.M.D., D.V.M. or similar degrees. Only those students who are formally admitted to the School of Graduate Studies under one of the two classifications above may register for graduate courses.

No person on the faculty of the Medical College of Georgia having academic rank above Instructor may become a candidate for the Doctor of Philosophy degree at this institution.

Acceptance of Graduate Credit by Transfer

Transfer of graduate credit is never automatic; any credits transferred do not reduce the residence requirement for any advanced degree.

In the case of a prospective Ph.D. candidate entering the School of Graduate Studies with a Master's degree from another institution, the candidate shall pass an examination on his major subject and thesis during the first quarter of residence if credit for any pertinent portion of the Master's coursework (30 quarter hours maximum usually allowed) is to be applied to the Ph.D. The transfer of any coursework beyond the Master's level is a matter for negotiation between the student, his major department, and the Dean. In general, no more than 60 quarter hours may be transferred toward the Ph.D., under any circumstances.

At the discretion of the Dean and the faculty of the major department, up to ten quarter hours credit toward a Master's degree may be transferred.

In all cases any graduate coursework to be transferred must have the final approval of the Dean.

Major Professor

A student will choose a member of the graduate faculty to serve as major professor.

Supervisory Committees
(Dissertation, Thesis, Graphic Project, or Master's Paper)

A Supervisory Committee, composed of a student's major professor (who will serve as chairman) and a number of other faculty members appointed by the Dean guides a student in planning his program of study and research. When a student submits his program of study (coursework outline), this committee will review it and indicate what modifications, if any, are necessary. Similarly, this committee will review and indicate what modifications, if any, are necessary, when the student submits his plan of research. This committee must approve the program of study and the research plan before they may be submitted to the Dean.

The "readers" copies of the student's Dissertation, Thesis, Graphic Project, or Master's Paper will be distributed to the members of this committee, who will inform the Dean whether or not they find it acceptable for the purpose of administering the Final Oral Examination. The Supervisory Committee will have the responsibility for administering the Final Oral Examination.

Residence and Time Limit

The minimum requirement for the Doctor of Philosophy degree is three full academic years beyond the Bachelor's degree. It cannot be satisfied through summer work alone. At least three full consecutive quarters immediately prior to completion of degree requirements must be spent in residence on the campus. If the student has part-time duties (employment or a teaching assistantship), the residence requirements will be increased accordingly to provide the equivalent of three quarters of full-time study in residence. All coursework and other requirements for the Doctor of Philosophy degree except the Final Oral Examination must be completed within six consecutive calendar years.

The minimum residence requirement for all Master's degrees is one full academic year. All work credited toward a Master's degree must be completed within five consecutive calendar years.

FELLOWSHIPS, TRAINEESHIPS, ASSISTANTSHIPS

The fellowships and assistantships offered by the School of Graduate Studies of the Medical College of Georgia are listed below. Further information concerning them is available from the School of Graduate Studies office.

Medical College of Georgia Graduate Fellowships: These carry stipends of $2800-$3400 per year and are awarded to outstanding students. Holders of these fellowships are required to enroll for full-time graduate study.

National Defense Education Act Graduate Fellowships: These carry a stipend of $2400-$2800 per year plus a dependency allowance and provide tuition and other required matriculation fees. Holders of these fellowships are required to enroll for full-time graduate study.

National Science Foundation Graduate Traineeships: These carry a stipend of $2400-$2800 per year plus a dependency allowance and provide tuition and other required matriculation fees. Holders of these traineeships are required to enroll for full-time graduate study.

National Institutes of Health Graduate Traineeships: These carry a stipend of $2400-$3000 per year and provide tuition and other required fees. Holders of these traineeships are required to enroll for full-time graduate study.

Medical College of Georgia Graduate Assistantships: These carry a stipend of $2600-$3000 per year plus certain other benefits.

Graduate Research Assistantships: The stipend range is from $2400-$3000 per year and certain other benefits. A minimum of one-third time in service is required.

DEGREE REQUIREMENTS

Doctor of Philosophy

1. **Graduate Study:** A minimum of three academic years of full-time graduate study beyond the Bachelor's degree is required.
2. **Residence:** A minimum of three consecutive quarters of full-time study or the equivalent in residence on this campus is required.
3. **Program of Study and Research Proposal:** A program of study for the Ph.D. and a research plan proposed as the basis for a dissertation which has been approved by the student's Supervisory Committee and the Dean is required.

4. **Foreign Languages:** Reading knowledge of two foreign languages is required. French, German, English, and Russian are recommended. Another language or a demonstrated ability to communicate (program) in a computer language may be substituted if it has greater relevance to the candidate's program of study, but such substitution must be recommended by the major professor and approved by the Dean. The native language of the candidate may not be used to fulfill a language requirement.

5. **Preliminary Examination:** Satisfactory performance on the Preliminary Examination is required. This examination is a rigid and comprehensive test of a students scholarly competence and knowledge, of his acquaintance with the scholarship in his field, and of his powers of bibliographical criticism. It is prepared and administered by a committee appointed by the Dean of the School of Graduate Studies. It will be composed of four written portions given on successive days and it may have a final oral portion. It is the student's responsibility, when in his judgment he is prepared to take this examination, to petition the School of Graduate Studies office in writing for its administration. In the event of failure, the Preliminary Examination may be taken only once more after not less than six months of further study, if recommended by a majority of the examining committee and if the Dean concurs. A student must have submitted an acceptable program of study for the Ph.D. before he is eligible to take the Preliminary Examination.

6. **Admission to Candidacy for the Doctor of Philosophy Degree:** A student will be admitted to candidacy for this degree by the Dean of the School of Graduate Studies when he has met requirements 3, 4, and 5 for this degree. A student may take various courses after admission to the School of Graduate Studies, but there is no commitment that these courses will be credited toward a degree until he is admitted to candidacy for an advanced degree. A student must be eligible for candidacy for the Ph.D. at least three quarters before the proposed graduation date.

7. **Application for graduation:** Each candidate for a graduate degree must apply for graduation and pay the appropriate diploma fee.

8. **Dissertation:** A dissertation based on original investigation which gives evidence of independent thinking, scholarly ability, and critical judgment, and indicates familiarity with research methods and techniques is required. Directions for preparation of the dissertation are available in the School of Graduate Studies office. At least four weeks before the proposed date of graduation, three typewritten copies of the completed dissertation must be submitted to the School of Graduate Studies. These are then submitted to the members of the Supervisory Committee who, after reading the dissertation, will notify the Dean whether they find it acceptable for the purpose of examining the student.

9. **Final Oral Examination:** Satisfactory performance on the Final Oral Examination in which the student defends his dissertation before his Supervisory Committee is required. This examination is based primarily on the dissertation and the field of knowledge that constitutes the student's major subject. This examination is open to the public and all members of the Graduate Faculty are invited to attend. After a successful Final Oral Examination, three final copies of the dissertation must be deposited with the School of Graduate Studies. Each copy must bear the approval signature of the major professor (chairman of the Supervisory Committee) and the Dean.

10. Satisfactory fulfillment of any additional requirement of the student's major department, or the institution is required.

Master of Science (Plan A)

1. **Graduate Study:** Forty-five quarter hours of graduate study beyond the Bachelor's degree is required. A minimum of thirty quarter hours must be allocated to graduate coursework in or related to the major field, at least ten of these hours to be in "800 level" courses.

2. **Residence:** One full academic year in residence is required.

3. **Program of Study and Research Proposal:** A program of study and a research plan proposed as a basis of a thesis, which has been approved by the Supervisory Committee and the Dean is required.

4. **Foreign Language:** Reading knowledge of one foreign language is required. French, German, English, and Russian are recommended. Another language or a demonstrated ability to communicate (program) in a computer language may be substituted if it has greater relevance to the candidate's program of study, but such substitution must be recommended by the major professor and approved by the Dean. The native language of the candidate may not be used to fulfill a language requirement.

5. **Admission to Candidacy for the Master of Science Degree:** A student will be admitted to candidacy for this degree by the Dean of the School of Graduate Studies when he has met requirements 3 and 4 for this degree. A student may take various courses after admission to the School of Graduate Studies, but there is no commitment that these courses will be credited toward a degree until he is admitted to candidacy for an advanced degree. A student must be eligible for candidacy for the M.S. at least one quarter before the proposed graduation date.

6. **Comprehensive Examination:** Satisfactory performance on a comprehensive examination covering the major field of the student is required. This examination must be passed at least one quarter before the proposed date of graduation; it may be written, oral, or both.

7. **Application for Graduation:** Each candidate for a graduate degree must apply for graduation and pay the appropriate diploma fee.

8. **Thesis:** A thesis based on original investigation is required. Directions for preparation of the thesis are available in the School of Graduate Studies office. At least three weeks before the proposed date of graduation, three typewritten copies of the completed thesis must be submitted to the School of Graduate Studies. These are then submitted to the members of the Supervisory Committee who, after reading the thesis, will notify the Dean whether they find it acceptable for the purpose of examining the student.

9. **Final Oral Examination:** Satisfactory performance on the Final Oral Examination in which the student defends his thesis before his Supervisory Committee is required. This examination is open to the public. After

a successful examination, three copies of the final thesis must be deposited with the School of Graduate Studies. Each copy must bear the approval signatures of the major professor (chairman of the Supervisory Committee) and the Dean.

10. Satisfactory fulfillment of any additional requirements of the student's major department, or the institution is required.

Master of Science (Plan B)

This degree is designed for those who have, or are in the process of earning, a professional degree such as the M.D., D.D.S., or D.V.M.

1. **Graduate Study:** Forty-five quarter hours of graduate study beyond the Bachelor's degree is required. A minimum of fifteen quarter hours must be allocated to advanced coursework (800 series) in or related to the major field. No course of the 600-700 series or an equivalent course, nor any course that the student used to satisfy any requirement for a professional degree or an equivalent course may be used to satisfy this requirement. Thirty quarter hours of the required forty-five are to be allocated to seminars (901, 902, and 903), problems (921) and research (930) for the thesis.
2. Satisfactory compliance with the remaining requirements for this degree which are identical to requirements 2 through 10 inclusive for the Master of Science degree (Plan A) described above.

Master of Science in Medical Illustration

1. **Graduate Study:** Forty-five quarter hours of graduate study beyond the Bachelor's degree is required. A minimum of thirty quarter hours is to be allocated to coursework in or related to the major field.
2. **Residence:** One full academic year in residence is required.
3. **Program of Study and Graphic Project Proposal:** A program of study and an outline of the work proposed as a basis for a thesis or graphic project which has been approved by the Supervisory Committee and the Dean is required.

4. **Admission to Candidacy for the Master of Science Degree in Medical Illustration:** A student will be admitted to candidacy for this degree by the Dean of the School of Graduate Studies when he has met requirement 3 for this degree. A student may take various courses after admission to the School of Graduate Studies, but there is no commitment that these courses will be credited toward a degree until he is admitted to candidacy for an advanced degree. A student must be eligible for candidacy for the M.S.M.I. at least one quarter before the proposed graduation date.
5. **Application for Graduation:** Each candidate for a graduate degree must apply for graduation and pay the appropriate diploma fee.
6. **Thesis or Graphic Project:** A thesis or graphic project is required. Directions for preparations of the thesis or graphic project are available in the School of Graduate Studies office. At least three weeks before the proposed date of graduation, three typewritten copies of the completed thesis or graphic project must be submitted to the School of Graduate Studies. These are then submitted to the members of the Supervisory Committee who, after reading the thesis or graphic project, will notify the Dean whether they find it acceptable for the purpose of examining the student.
7. **Final Oral Examination:** Satisfactory performance on the Final Oral Examination in which the student defends his thesis or graphic project before his Supervisory Committee is required. This examination is open to the public. After a successful examination, three copies of the final thesis or graphic project must be deposited with the School of Graduate Studies. Each copy must bear the approval signatures of the major professor (Chairman of the Supervisory Committee) and the Dean.
8. Satisfactory fulfillment of any additional requirements of the student's major department, or the institution is required.

Master of Science in Nursing

1. **Graduate Study:** Sixty quarter hours of graduate study beyond the Bachelor's degree is required. A minimum of thirty quarter hours must be allocated to graduate coursework in or related to the major field.
2. **Residence:** One full academic year in residence is required.

3. **Program of Study and Research Proposal:** A program of study and a research plan proposed as a basis of a master's paper, which has been approved by the Supervisory Committee and the Dean is required.

4. **Admission to Candidacy for the Master of Science Degree in Nursing:** A student will be admitted to candidacy for this degree by the Dean of the School of Graduate Studies when he has met requirement 3 for this degree. A student may take various courses after admission to the School of Graduate Studies, but there is no commitment that these courses will be credited toward a degree until he is admitted to candidacy for an advanced degree. A student must be eligible for candidacy for the M.S.N. at least one quarter before the proposed graduation date.

5. **Comprehensive Examination:** Satisfactory performance on a comprehensive examination is required. This examination must be passed at least one quarter before the proposed date of graduation; it may be written, oral, or both.

6. **Application for Graduation:** Each candidate for a graduate degree must apply for graduation and pay the appropriate diploma fee.

7. **Thesis:** A thesis is required. Directions for preparation of a thesis are available in the School of Graduate Studies office. At least three weeks before the proposed date of graduation, three typewritten copies of the completed thesis must be submitted to the School of Graduate Studies. These are then submitted to the members of the Supervisory Committee who, after reading the thesis, will notify the Dean whether they find it acceptable for the purpose of examining the student.

8. **Final Oral Examination:** Satisfactory performance on the Final Oral Examination in which the student defends his thesis before his Supervisory Committee is required. This examination is open to the public. After a successful examination, three copies of the final thesis must be deposited with the School of Graduate Studies. Each copy must bear the approval signatures of the major professor and the Dean.

9. Satisfactory completion of any required courses and fulfillment of any additional requirements of the student's major department, or of the institution is required.

DEPARTMENTS AND COURSES

ANATOMY

Chairman: Gatz.

Faculty: L. H. Allen, Bernard, Bowles, McDonald, McKenzie, Wellband.

Recommended preparation. An undergraduate major in zoology or a major in chemistry or physics with a minor in zoology (at least three basic courses). Departmental requirements: In general, the 700 courses are prerequisite to registration in 800 and 900 courses.

ANM 701. Gross Anatomy. *10 hours.*
A lecture and laboratory course which requires participation in a satisfactory dissection of the human body. *Dr. Gatz and staff.*

ANM 703. Neuroanatomy. *4 hours.*
A study of the gross and microscopic structure of the human nervous system and organs of special sense. *Dr. Gatz and staff.*

ANM 801. Comparative Vertebrate Morphology. *4 hours.*
A course in which the systems of the vertebrate body are considered phylogenetically. Various representative vertebrate animals are dissected. *Dr. Bernard.*

ANM 802. Comparative Vertebrate Histology. *4 hours.*
A comparative study of the vertebrate tissues and organs. *Dr. Gatz.*

ANM 803. Animal Cytology. *4 hours.*
Physico-chemical study of protoplasm, cellular constituents, and their role in cell physiology. *Dr. Gatz.*

ANM 804. Cytology and Cytogenetics. *4 hours.*
Methods and mechanics of cell division, structure, and function of chromosome, nuclear, and chromosome chemistry, genes, chromosomal aberrations. *Dr. Gatz.*

ANM 805. Endocrinology. *4 hours.*
Consideration of comparative vertebrate morphology, function, and inter-relationships of the endocrine glands. Laboratory work includes a problem. *Dr. Gatz.*

ANM 806. Microanatomic Technique. *3 hours.*
Basic principles and practices employed in the preparation of tissues for histological and histochemical examination. *Dr. Bernard.*

ANM 807. Embryology. *4 hours.*
Fundamental principles of mammalian development. *Dr. Bowles.*

ANM 808. Advanced Embryology. *4 hours.*
Detailed consideration of germ cell production and fertilization, implantation sex determination, and an introduction of experimental and chemical embryology. Human embryological sections and dissections are used. *Dr. Bowles.*

ANM 809. Fetal and Infant Anatomy. *4 hours.*
Dissection and study of the newborn. *Dr. Allen.*

ANM 810. Analysis of Development. *2 hours.*
Seminar for the review and discussion of recent literature in morphogenesis designed to broaden the concept of problems in development and differentiation. *Staff.*

ANM 811. Genetics. *3 hours.*
Demonstrations of the principles of human heredity.

ANM 812. Anatomy and Physiology of the Nervous System. *4 hours.*
Gross and microscopic anatomy of the central and autonomic nervous system; consideration of current research and special equipment for physiological and anatomical investigation. *Staff.*

ANM 813. Histology. *8 hours.*
A study of the cells, tissues and the organs of man as related to their function. *Dr. Bowles and staff.*

ANM 816. Histochemistry. *5 hours.*
Presentations of the basic aims, principles and procedures of histochemistry. *Dr. Bernard.*

ANM 901, 902, 903. Seminar in Anatomy. *1 hour each. Staff.*

ANM 921. Investigation of a Problem. *Credit to be arranged. Staff.*

ANM 930. Research (for Dissertation or Thesis). *Credit to be arranged. Staff.*

ANM 940. Analysis and Preparation of Scientific Papers. *2 hours.*
A course designed to improve the individual scientist's writing in regard to directness, comprehensibility, logical organization, and precision of expression. Each participant will prepare a short journal article or an equivalent piece of writing during the course.

BIOCHEMISTRY

Chairman: Singal.
(Acting)

Faculty: Behal, Crounse, Dirksen, Hall, Harms, Howard, Huisman, Latif, Leibach, McPherson, Nelson, L. Smith.

Recommended preparation: Courses at the college level in physics, mathematics through integral calculus, biology, organic chemistry through qualitative organic and a year of physical chemistry.

BCH 801, 802. Biochemistry. *3 hours each quarter. Fall, winter, and spring quarters each year.*

A course sequence covering the chemistry and reactions of the constitutents of living matter, metabolism and control mechanisms in whole organisms, organs, cells and subcellular systems, metabolic patterns and biosynthetic pathways. *Staff.*

BCH 803. Topics in Biochemistry. *3 hours. Spring quarter.*

Advanced treatment of selected topics which vary yearly. *Staff.*

BCH 804, 805. Experimental Biochemistry. *3 hours each quarter. Fall and winter quarters each year.*

The first course deals with the preparation and characterization of substances of biochemical significance. The second course includes experiments in biological oxidation, glucose metabolism, phosphatide and protein synthesis. *Staff.*

BCH 807. Chemical Kinetics. *3 hours. Fall quarter.*

Theories of reaction velocity and their application to the understanding of reaction mechanisms. *Staff.*

BCH 808. Physical Methods of Structure Determination. *3 hours. Winter quarter.*

Use of physical methods (UV, IR, NMR, ORD, ESR) to determine the structure of biochemically important monomers and polymers. *Drs. Howard and Smith.*

BCH 809. Physical Biochemistry. *3 hours. Spring quarter.*
Structure, properties, energetics, kinetics with particular reference to biopolymers. Three lectures, one conference, assigned readings and calculations. *Staff.*

BCH 825, 826. Biochemical Disorders in Disease. *4 hours total.*
The application of biochemistry to the investigation of metabolic and degenerative diseases. *Dr. Huisman.*

BCH 830, 831, 832. Organic Reaction Mechanisms. *3, 3, and 2 hours, respectively, to be taken in numerical sequence.*
Modern theories of organic chemistry with emphasis on reaction mechanisms of biochemical interest. *Dr. Howard.*

BCH 901, 902, 903. Seminar in Biochemistry. *1 hour each. Staff.*

BCH 921. Investigation of a Problem. *Credit to be arranged. Staff.*

BCH 930. Research (for Dissertation and Thesis). *Credit to be arranged.*

ENDOCRINOLOGY

Chairman: Greenblatt.

Faculty: Byrd, Jungck, Leibach, Mahesh, Muldoon, Scholer.

Recommended preparation: Coursework in inorganic, organic, and physical chemistry, qualitative and quantitative analysis, and in biological sciences including such courses as physiology, anatomy, histology, embryology, zoology, etc.

END 701. Biochemistry of Steroid Hormones. *4 hours.*
Studies of the secretion, biosynthesis, transport, metabolism and excretion of steroid hormones. *Staff.*

END 702. Biochemistry of Non-Steroid Hormones. *3 hours.*
Studies of the hormones of pituitary, adrenal medulla, pancreas, thyroid and parathyroid glands. *Staff.*

END 703. Chemistry of Steroids. *4 hours.*
A survey of the chemical synthesis, degradation, and general reactivity of various classes of steroids. Physical methods of characterization and methods of steroid determination are discussed with particular emphasis on steroids of biological importance. *Dr. Muldoon.*

END 705. Physiology and Pharmacology of Hormones. *2 hours.*

The spectrum of physiological and pharmacological activity of various hormones and different tests and experimental models to evaluate these will be discussed. A review of the biological activity of synthetic hormone preparations will be made and their actions compared to naturally occurring hormones. *Dr. Scholer.*

END 801. Clinical Endocrinology. *2 hours.*

Clinical survey of the function of hypothalamus, pituitary, adrenals, gonads, thyroid, and pancreas, and the diagnosis and treatment of endocrine disorders associated with these glands. *Staff.*

END 802. Advanced Clinical Endocrinology. *6 hours.*

A continuation of END 801 at an advanced level. Included is participation in the diagnosis, work-up, treatment, and discussion of selected patients with various endocrine disorders. *Staff.*

END 803. Endocrinology of Reproduction: The Pituitary-Ovarian Axis. *3 hours.*

A study of compounds that effect the inhibition or release of pituitary hormones, and factors that stimulate or inhibit ovulation. Laboratory and lecture exercises. *Staff.*

END 804. Endocrinology of Reproduction: Uterine Motility. *3 hours.*

Studies on drugs that stimulate or inhibit uterine motility. Laboratory and lecture exercises. *Staff.*

END 805. Endocrinology of Reproduction: The Ovaries. *3 hours.*

Factors that influence follicular stimulation and/or luteinization in the ovary. Laboratory and lecture exercises. *Staff.*

END 806. Endocrinology of Reproduction: Reproductive Physiology of the Testis. *3 hours.*

Laboratory and lecture exercises. *Staff.*

END 807. Clinical Aspects in Human Reproductive Physiology. *5 hours.*

The essentials in human reproduction and the application of present day knowledge in the promotion of fertility as well as fertility controls. *Staff.*

END 808. Human Cytogenetics. *2 hours.*

A study of the relationships between chromosome morphology, function and disease. Consideration of chemical and physical nature of the chromosome, chromosomal aberrations, ploidy, significant of sex chromatin, inheritance of chromosomal defects and genetics of cells in culture. *Dr. Byrd.*

END 809. Human Cytogenetics — Laboratory Techniques. *3 hours.*

A laboratory study of methods used in human cytogenetics including methods for culture and chromosome analysis and somatic cells, sex chromatin, autoradiography, photomicrography, meiotic preparations and solid tissue culture. *Dr. Byrd.*

END 810. Biochemical Methods in Endocrine Research. *3 hours.*

Work in specialized methods such as fractionation and individual estimation of steroids, determination of aldosterone, chromatography, and use of isotopes. *Staff.*

END 811. Laboratory Procedures in Clinical Endocrinology. *2 hours.*

Studies and experience in the estimation of 17-ketosteroids, 17-ketogenic steroids, pregnandiol, urinary gonadotropics, PBI pregnancy tests, estrogens. *Staff.*

END 901, 902, 903. Seminar in Endocrinology. *1 hour each. Staff.*

END 921. Investigation of a Problem. *Credit to be arranged. Staff.*

END 930. Research (for Dissertation or Thesis). *Credit to be arranged. Staff.*

MEDICAL ILLUSTRATION

Chairman: Parks.

Faculty: Garlington.

Recommended preparation: See the requirements for admission to the graduate program in Medical Illustration.

MIL 801. Advanced Techniques of Medical Illustration. *10 hours.*

Advanced training in the techniques and mediums of the medical illustrator in depicting major operative procedures,

endoscopic examination and ophthalmological conditions and procedures. *Mr. Parkes and staff.*

MIL 802. Departmental Development and Administration. *1 hour.*

Instruction is given in how to institute or develop a department of medical illustration, the photographic and art materials and equipment necessary in such departments, recommended types of clerical forms and records and departmental responsibilities and the general administration of a department. *Mr. Parkes and staff.*

MIL 803. Interpretive and Reconstructive Drawing. *2 hours.*

This course correlates the study of pathology and art in the drawing of autopsy and fixed specimens and the reconstructional drawing of specimens as they appeared during life. The diagrammatic representation or conditions of organs and the physiological effect on other organs as a contributing factor in death is depicted in such drawings. *Mr. Parkes and staff.*

MIL 804. Scientific Exhibit Production. *1 hour.*

The methods of planning a scientific exhibit from the first discussions to the final presentation is covered. This involves a scale drawing or mock-up of the exhibit as well as discussion of various types of cabinet work, lettering, and back-lighting of transparent materials.

MIL 805. Television Production. *1 hour.*

Equipment used and methods of producing television presentations will be covered in this course. Graphics, animation and programming will be emphasized.

MIL 811. I, II. Pathology—General Pathology. *16 hours.*

The basic principles of pathology and the important general and systemic manifestations of disease.

MIL 812. Clinical Pathological Conference. *No credit.*

Gross and microscopic pathological findings are used in the evaluation and analysis of case histories of individual patients.

MIL 928. Medical Illustration—Graphic Project. *15 hours.*

The presentation in exhibit form of a collection of drawings or operative studies and clinical procedures. *Mr. Parkes and staff.*

MIL 930. Medical Illustration—Thesis. *15 hours.*

A written and illustrated thesis may be substituted for MIL 928 should the candidate for a degree so desire.

MICROBIOLOGY

Chairman: Dienst.

Faculty: Bard, Behal, Best, Brownell, Burnett, Denton, Gardner, Lefkowitz, Robinson, Roesel, Singal.

Recommended preparation: Adequate background in biology and chemistry, usually an undergraduate major in biology and a minor in chemistry, or major in chemistry with a minor in biology.

MIB 701. General Microbiology: Bacteria and Immunity. *8 hours.*

Principles of microbiology presented with emphasis on microbial physiology and genetics. Fundamental aspects of immunity and immunology are also discussed. *Staff.*

MIB 702. Medical Microbiology: Bacteria, Viruses, Rickettsiae, and Fungi. *5 hours.*

Principles of microbiology with emphasis on the pathogenic bacteria, viruses, rickettsiae, and fungi. Properties of the commoner organisms of this type and methods for cultivation, isolation, and identification. MIB 701 prerequisite. *Staff.*

MIB 703. Parasitology. *3 hours.*

Studies of the animal parasites of man and their mode of transmission. *Dr. Denton.*

MIB 801. Immunology. *3 hours.*

Biological, physical, and chemical properties of antigens and antibodies; mechanisms of precipitation and agglutination reactions, cytotoxic reactions, medicated by antibody and complement; mechanisms of antibody formation; nature and mechanisms of hypersensitivity reaction and immunology and chemistry of blood group substance. MIB 701 prerequisite. *Drs. Gardner and Roesel.*

MIB 802. Bacterial Genetics *5 hours.*

A consideration of nucleic acid metabolism and heredity in microorganisms including conjugation, transduction, and transformation. MIB 701-702 prerequisite. *Dr. Brownell.*

MIB 803. Virology. *3 hours.*

Studies of animal viruses, and newer techniques for cell culture and identification. MIB 701-702 prerequisite. *Dr. Lefkowitz.*

MIB 804. Mycology. *3 hours.*

Lectures and experimental studies of fungi pathogenic for man. MIB 701-702 prerequisite. *Dr. Denton.*

MIB 805. Immuno-chemistry. *3 hours.*
Advanced immunology with emphasis on the clinical aspects. MIB 801 prerequisite. *Dr. Gardner.*

MIB 806. Microbial Physiology. *5 hours.*
Intermediary metabolism peculiar to microorganisms and its relationship to the effect of the chemical environment on the growth and death of microorganisms. MIB 701-702 prerequisite. *Dr. Best.*

MIB 807. Epidemiology. *3 hours.*
Principles and methods of epidemiology investigation. Studies of the distribution and dynamic behavior of disease in the population including etiologic factors and modes of transmission and pathogenesis. MIB 701-702 prerequisite. *Dr. Denton.*

MIB 808. Cell and Tissue Culture. *3 hours.*
Principles and techniques of cell and tissue culture. Emphasis on tissue culture techniques used in the study of viruses, bacteria, and immunologic problems. *Dr. Roesel.*

MIB 810. Hematology. *3 hours.*
A consideration of fundamental hematologic concepts and practical laboratory procedures. *Dr. Gardner.*

MIB 811. General Pathology. *3 hours.*
The course is intended to present the most important areas of general pathology to investigators in the biological field who do not have a medical background and wish to become acquainted with basic mechanisms of disease at the level of cells and tissues. *In cooperation with the staff of the Dept. of Pathology.*

MIB 812. Host-Parasite Relationship. *3 hours.*
This will be a series of lectures and seminars on the biochemical and immunological relationships between infectious agents and their hosts. *In cooperation with the staff of the Dept. of Medicine.*

MIB 813. Medical Entomology. *2 hours.*
Study of arthropods of medical importance with emphasis on the epidemiology of the arthropod-borne diseases. *Dr. Denton.*

MIB 901, 902, 903. Seminar in Microbiology. *1 hour each. Staff.*

MIB 921. Investigation of a Problem. *Credit to be arranged. Staff.*

MIB 930. Research (for Dissertation or Thesis). *Credit to be arranged. Staff.*

NURSING

Associate Dean for Graduate Studies: Lee.

Faculty: E. L. Clark, P. L. Davidson, Grant, Holliday, Rutland, Shaw, Snider.

Recommended preparation: An undergraduate major in nursing, including the behavioral, physical and biological sciences. Experience in nursing leadership is also required for admission to the major in nursing service administration.

Registration for courses: Students admitted to the Graduate Program in Nursing register and matriculate for courses at the Medical College of Georgia and also register for courses at the University of Georgia at Athens during the first quarter for the Program, that is the Summer Quarter.

NSG 610. Gerontology. *5 quarter hours. Spring quarter. Prerequisite—permission of the instructor.*

A multidisciplinary course in the field of aging based on current theories, trends and research from the physical, biological and social and psychological sciences. Intensive study of the health problems of the elderly individual. Analysis of research implementing current theories and concepts; formulation of hypothesis; exploration or innovation; search for significant dimensions of nursing care for the geriatric patient.

NSG 621. Group Dynamics. *5 hours.*

A review of the development of research on processes in the small face-to-face group, with emphasis on motivational forces involved. The family as a small group. Peer and work groups. Structural-functional analysis, symbolic interactionism. Experiments in group interaction. *Dr. Gazda.*

NSG 634. Personnel Administration. *5 hours. Fall quarter.*

This course is designed to provide the student with an extensive understanding of the problems faced by the personnel manager. A broad administrative viewpoint, rather than a narrow, vocational approach, is emphasized. It affords the student an opportunity to examine the personnel administrator's important functions of carefully selecting and motivating personnel to attain the objectives of the organization. *Mr. Renas.*

NSG 702. Medical-Surgical Nursing. *7 hours. Winter quarter.*

Designed to extend and enrich the student's knowledge of pathophysiological changes which occur during illness;

normal body defenses; electrolyte and fluid balance; advances in medical science and nursing, in relation to the care of patients who present complex nursing problems. PHY 601 prerequisite. *Mrs. Shaw.*

NSG 703. Medical-Surgical Nursing. *7 hours. Winter quarter.*

Application of knowledge in improving skills characteristic of the practice of professional nursing. Selected experiences provide for intensive study of individual patient needs and direction of care of nursing clients. NSG 702 prerequisite. *Mrs. Shaw.*

NSG 704. Practicum: Teaching Medical-Surgical Nursing. *5 hours. Spring quarter.*

The student is provided opportunity to participate in course and curriculum development, and to observe and participate in teaching clinical nursing. The teaching-learning experiences for each graduate student are selected by the student and a teacher in terms of identified purposes and goals for delivery of nursing care services. *Staff.*

NSG 705. Practicum: Clinical Specialization, Medical-Surgical Nursing. *5 hours. Spring quarter.*

Opportunities are provided for the student: to demonstrate skill in enabling patient(s) to accept and participate in action to enable his progress toward optimism wellness; to participate in health team planning through collaboration and nursing intervention; to assume a catalytic role as change agent in the delivery of nursing care services. NSG 702 and 703 prerequisite. *Mrs. Shaw.*

NSG 720. Mental Health and Psychiatric Nursing. *5 hours. Fall quarter.*

Investigation of psychoanalytic concepts in relation to normal growth and development and to the dynamics of personality development. There is concurrent application of the theoretical content to an operational point through planned experiences. *Miss Snider, Mr. Davidson, and Dr. Rutland.*

NSG 721. Mental Health and Psychiatric Nursing. *5 hours. Winter quarter.*

Psychopathology as a unique life situation. There is concurrent clinical extension of theory in selected facilities. Explanation of the process of psychotherapy and the therapist role is initiated in the course. *Miss Snider, Mr. Davidson, and Dr. Rutland.*

NSG 722. Practicum: Teaching Mental Health and Psychiatric Nursing. *5 hours. Spring quarter.*
Staff.

NSG 723. Practicum: Clinical Specialization, Mental Health and Psychiatric Nursing. *5 hours. Spring quarter.*
Staff.

NSG 740, 741. Seminar in Nursing Service Administration. *3 hours each. Fall and winter quarters.*
Application of concepts and principles of administration and personnel management in the nursing service situation. The case method is used for added realism in problem solving. *Dr. Lee.*

NSG 742. Practicum in Nursing Service Administration. *5 hours. Spring quarter.*
Observation of, and limited participation in the administration of a nursing service department. The experience is guided by a preceptor, in an agency selected jointly by the student and major professor. Field conference of students, faculty and agency personnel permit the exchange of ideas related to field problems. *Dr. Lee and Miss Clark.*

NSG 780. The Growing Health System. *2 hours. Summer quarter.*
Causes and directions of changes in the health system of the United States. Consideration of the meaning of such changes to nursing of the present and future. *Dr. Lee.*

NSG 781. Advances in Clinical Practice. *2 hours. Fall quarter.*
This course provides opportunity for consideration of human and technological factors which influence change in clinical nursing practice; for synthesis, in relation to a selected area of clinical practice; and for implementation and evaluation of the plan proposed. *Staff.*

NSG 782. Education for Nursing Practice. *2 hours. Winter quarter.*
Historical development of the university; the role of the university in society; and the potential of the growing education system for the preparation of nursing practitioner. *Miss Grant.*

NSG 783. Nursing, the Advancing Profession. *2 hours. Spring quarter.*
The professions in society; legislation; the national organizations; citizenship and leadership functions. *Dr. Holliday.*

NSG 800. Research Methodology. *3 hours. Fall quarter.*
The several techniques of research appropriate to the solution of problems of different types. Special emphasis is placed on the development and definition of the problem with formulation of the selected design for solution of the problem. Required of candidates who will submit thesis for graduate degrees and also open to other qualified students upon approval of the instructor. Introductory Statistics prerequisite. (An undergraduate college course will be accepted). *Dr. Holliday.*

NSG 921. Investigation of a Problem. *Credit to be arranged. Staff.*

NSG 930. Research. *5 hours. Staff.*

ECT 800. Fundamentals of Curriculum. *5 hours. Summer quarter. (Given at the University of Georgia).*
Study of the nature, function and evaluation of curricula in education. Four courses in education prerequisites. *Staff.*

EPY 700. Educational Tests and Measurement. *5 hours. Summer quarter. (Given at the University of Georgia).*
Nature and function of measurement in education; teacher-made and standardized tests and scales, introductory statistical concepts of measurements. Four courses in education prerequisites. *Staff.*

MAN 797. Organization Theory. *5 hours. Summer quarter. (Given at the University of Georgia).*
The functioning of organizations and the factors making for differences in functioning from one organizational situation to another. First stress will be given to research findings about organizational relationships, but the primary focus will be on the consequences of these findings for effective management. *Staff.*

MAN 741. Management Science. *5 hours. Summer quarter. (Given at the University of Georgia).*
This course is designed as a first introduction on a semi-rigorous basis to the possibilities and techniques for solving management problems having quantified or quantifiable parameters. Permission of instructor is prerequisite.

PSY 664. Advanced Social Psychology. *5 hours. Summer quarter. (Given at the University of Georgia).*
Development and importance of language and communication in social behavior; concepts and methods of studying decision-making; the role of motivation, frustration, and conflict in social processes.

SOC 611. Social Organization. *5 hours. Summer quarter. (Given at the University of Georgia).*

A study of the basic principles of social organization including an examination of how groups and complex organizations such as associations, communities and societies are structured and how they function as structures. *Staff.*

SOC 627. Personality and Social Structure. *5 hours. Summer quarter. (Given at the University of Georgia).*

Foundation and development of personality; mechanism of integration and adjustment; roles of culture, groups and language; concepts of self; types of theories of personality; divergent personalities.

SOC 635. The Community. *5 hours. Summer quarter. (Given at the University of Georgia).*

A study of the community as a unit of social organization. Contemporary trends in community organization and planning. *Staff.*

PHARMACOLOGY

Chairman: Ahlquist.
(Acting)

Faculty: Gangarosa, Geber, Jerram, Karow, Kling, Riley.

Recommended preparation: Major training in at least one of the following fields: zoology, anatomy, microbiology, physiology, biochemistry, botany, mathematics, and electronics. Courses in several of the fields other than the major field are desirable.

PHM 701. General Pharmacology and Toxicology. *7 hours.*

Studies in pharmacodynamics, pharmacotherapeutics, toxicology, posology, and prescription writing.

PHM 711. Cryopharmacology. *3 hours.*

The biophysics of freezing injury and the use of cryoprotective drugs. Consent of instructor prerequisite. *Dr. Karow.*

PHM 801. Molecular Pharmacology. *3 hours.*

Mechanism of achieving a biological effect through the chemical interaction of a drug with a biological receptor. Phase I or BCH 801 and ANM 813 or consent of instructor prerequisites. *Dr. Karow.*

PHM 802. Special Methods in Pharmacological Research. *3 hours.*

Physiological and biochemical methods employed in pharmacological investigations.

PHM 803. Neuropharmacology. *2 hours.*

Selected topics related to the action of chemical agents on the nervous system.

PHM 804. Advanced Pharmacology. *2 hours.*

Research objectives in pharmacology. Current concepts and trends in pharmacological research.

PHM 805. Mechanisms of drug toxicity. *3 hours.*

A study of the adverse effects of drugs on organ systems and metabolic pathways. PHM 701 or consent of instructor prerequisite. *Dr. Kling.*

PHM 806. Drug Induced Teratogenesis. *3 hours.*

Consideration of theories of drug induction of congenital malformations in the mammalian fetus. Experimental methods of evaluating drug teratogenicity will be studied. Consent of instructor prerequisite. *Dr. Geber.*

PHM 807. Peripheral Cholinergic Mechanisms. *3 hours.*

Investigations of the role of acetylcholine in the function of the autonomic nervous system. PHM 701 or PHY 701 or consent of instructor prerequisite. *Dr. Jerram.*

PHM 808. Catecholamine Role in Adrenergic Mechanisms. *3 hours.*

Studies on the cellular and molecular systems involved in catecholamine activity. PHM 701 or PHY 701 or consent of instructor prerequisite. *Dr. Riley.*

PHM 809. Cardiovascular-Renal Pharmacology. *3 hours.*

Evaluation of the interrelationships of the action of drugs on the heart, peripheral circulation, and renal function. PHM 701 or PHY 701 or consent of instructor prerequisite. *Staff.*

PHM 901, 902, 903. Seminar in Pharmacology. *1 hour each. Staff.*

PHM 921. Investigation of a Problem. *Credit to be arranged. Staff.*

PHM 930. Research (for Dissertation or Thesis). *Credit to be arranged. Staff.*

PHYSIOLOGY

Chairman: Dow.

Faculty: D. L. Davis, Ginsburg, McKenney, R. Morse, O'Brien, Reichard, Remington.

Recommended preparation: Chemistry, through organic and quantitative analysis; an introductory course in zoology; one course each in comparative anatomy and embryology; a full year in physics and mathematics through differential and integral calculus.

PHY 601. Physiology. *6 hours. Fall quarter.*
A basic graduate course in physiology for non-majors in physiology. *Dr. Dow and staff.*

PHY 701, 702, 703. Survey of Physiology. *6, 6, and 4 hours respectively.*
Electrophysiology, muscle and cardiovascular physiology; respiratory, fluid, and gastrointestinal physiology, metabolism, endocrine physiology; neurophysiology. *Dr. Dow and staff.*

PHY 800. General Physiology. *5 hours.*
Selected topics in general and cell physiology with emphasis on the role of metabolism, membrane functions and environmental factors will be considered in lecture and seminar. PHY 701, 702, 703 or by permission prerequisites. *Staff.*

PHY 801. Introductory Biophysics. *3 hours. Staff.*

PHY 802. Cardiodynamics. *3 hours.*
Physiology of the heart, including structure, development, action as muscle, and dynamics of its pumping action. *Dr. O'Brien.*

PHY 803. Peripheral Circulation. *3 hours.*
A study of the architecture and hemodynamics of peripheral vasculature. *Dr. Davis.*

PHY 804. Muscle Physiology. *3 hours.*
General characteristics of muscle action and differences between the three types of muscle. *Dr. Remington.*

PHY 805. Blood Flow Regulation. *3 hours.*
A study of the determinants affecting cardiac output and peripheral flow, with consideration of the techniques for measuring the flow. *Dr. Dow.*

PHY 806. Respiration. *3 hours.*
The mechanics and regulation of human respiration with consideration of practical techniques for the measurement of ventilation. *Staff.*

PHY 807. Body Fluid Regulation.
3 hours.
A study of current and classical literature dealing with fluid regulation with particular emphasis on renal mechanisms for volume and composition control. *Dr. Ginsburg.*

PHY 808. Cortical Potentials. *3 hours.*
Properties of continuous and evoked potentials and their interactions. Relationship of cortical unit activity to cortical potentials. PHY 701 and 703 prerequisites, and by permission. *Dr. Morse.*

PHY 809. Motoneuron Physiology. *3 hours.*
Electrical properties of surface membranes; excitatory and inhibitory reactions and their mechanisms; properties of the spike potential; interaction of synaptic responses. PHY 701 and 703 prerequisites, and by permission. *Dr. Morse.*

PHY 810. Hemodynamics. *3 hours.*
Blood flow and the forces that produce it, including reservoir function of large arteries and measurement and regulation of cardiac output. *Dr. Dow.*

PHY 811. Physiology of Reflexes. *3 hours.*
A guided survey of the literature pertaining to reflex and synaptic physiology. Course is conducted as a seminar with students giving oral reports on assigned topics. PHY 701 and 703 prerequisites, and by permission. *Dr. Morse.*

PHY 812. Neurophysiology. *6 hours. Fall and Spring.*
A guided survey of the experimental literature of major topics in neurophysiology. Course conducted as seminar with oral analysis of assigned papers and topics. PHY 701, 702, 703, ANM 703 and permission of instructor prerequisites. *Dr. Morse.*

PHY 813. Electrophysiology. *5 hours.*
Theoretical basis of electrophysiological phenomena; recording apparatus and technique; and the electrophysiology of cells, tissues and excitable structures. *Dr. McKenney.*

PHY 814. Biological Transport. *5 hours.*
A seminar study of the physiology of membrane transport. Systems studied will include erythrocytes, kidney, in-

testine and other relevant cells and tissues. *Drs. Ginsburg and McKenney.*

PHY 815. Radioisotopes in Biological Research. *3 hours.*
The theory, utility and methodology for the use of radioisotopes in biological research. *Dr. Reichard.*

PHY 901, 902, 903. Seminar in Physiology. *1 hour each. Staff.*

PHY 921. Investigation of a Problem. *Credit to be arranged. Staff.*

PHY 930. Research (for Dissertation or Thesis). *Credit to be arranged. Staff.*

STATISTICS

Computer Center Director and Assistant Professor of Statistics and Data Processing: Bragassa.

STA 601. Basic Computer Principles Programming.
3 hours.
This course deals with basic data processing concepts and assumes no prior knowledge in this field. Topics covered include punch cards and codes, basic elements of a computer and their function; program flow charting, coding and testing. The current program language taught is FORTRAN IV. The computer is an IBM 360. *Dr. Bragassa and staff.*

STA 801. Statistics. *5 hours.*
The fundamentals of statistics including such concepts as probability, frequency distribution, tests of significance, randomization, chi square analysis, correlation and regression, and analysis of variance. *Dr. Bragassa.*

FOREIGN LANGUAGES

Non-credit courses in Scientific German and French reading are usually offered in the Fall quarter. The foreign language examinations are given in January or February. Students interested in taking either of these two language courses should notify the School of Graduate Studies Office by September 1.

Dean:	Grant.
Associate Dean:	Lee.
Faculty:	Ault, Bridges, Capers, Clark, Davidson, R., Davidson, P., DeBruler, Ditchfield, Gilson, Grotefend, Holiday, Latham, Levine, Manly, Meeks, Moore, Powell, Schneider, Shaw, Sheppeard, Snell, Vermeersch.
Part Time Faculty:	J. W. McKenzie, S. Harris, M. Hansen, R. Trooboff, L. Smith.

Georgia's first state-aided course in nursing education was offered in 1941 at the Evening College of Atlanta. In 1943, the University of Georgia was authorized to establish a Department of Nursing Education within the College of Education with a center at the former Atlanta Division. The department was transferred to the College of Arts and Sciences in 1944; and in 1945, a program leading to the degree of Bachelor of Science in Nursing Education was established for basic and registered nurse students.

In 1956, by action of the Board of Regents, the Department of Nursing at the University was transferred to the Medical College of Georgia becoming an autonomous school with a dean appointed as the administrative head. The Bachelor of Science Degree in Nursing was the first baccalaureate program to be approved at the College. The first degrees were conferred in 1958.

Located in Atlanta, Georgia are offices of the School of Nursing, including the Nutrition project sponsored by the Public Health Service. In addition, there are offices with resident faculty at the Chatham County Health Department, Savannah, and the Cobb County Health Department, Marietta.

The Board of Regents in March of 1966 authorized a graduate program in nursing. The School of Graduate Studies in cooperation with the School of Nursing offers the program which leads to the degree of Master of Science in Nursing.

THE BACCALAUREATE PROGRAM IN NURSING

PHILOSOPHY

The administration and faculty believe that nursing is a significant force in the total health care of all people, and

that it is through guided experiences in the preventive, curative, and rehabilitative aspects of nursing that students are able to develop a comprehensive concept of the health needs of people. It is believed that a planned program of general education extending through four academic years, combined with professional courses, aids students in learning more effectively.

The School of Nursing accepts as its aim the selection and training of young men and women who have the potential for development within our educational environment as enlightened and contributing citizens and as professional nurses. Through the use of the problem-solving approach and other planned experiences, the graduate is expected to become a purposeful, thinking, self-directed member of the professional society, able to identify and analyze data objectively, and to make critical judgments on the basis of principles in both personal and professional roles.

It is expected that graduates of the Medical College of Georgia program can work effectively with other disciplines in the care of patients. The graduate is prepared to plan, execute, and evaluate the nursing needs and care of individuals in the community; to function as a beginning professional practitioner in any field of nursing, including public health. She has had guided learning experiences in management and leadership, and with experience, the graduate with potential may move into head nurse positions. The graduate may, if ability and achievement warrant, prepare through graduate courses for positions in teaching, administration, supervision, research, or other areas.

OBJECTIVES

The objectives of the program are to provide appropriate learning experiences which enable students:

1. To develop attitudes, professional and intellectual abilities involving the use of communications skills, leadership and helping skills, general and scientific knowledge of such breadth as will make possible developments of competencies in the practice of rehabilitative, preventative, and creative nursing in all beginning positions, including public health nursing and as will provide a sound basis for future specialization.

2. To appreciate the dynamic contribution of nursing to the health goals, and their implementation for society and to develop those participatory skills essential to accepting responsibility on the health team.

3. To promote understanding of self, personal growth, and the development of creative ability in order to live more happily as well as to attain and maintain health for oneself and others.
4. To develop critical attitudes and skills in evaluation and problem solving as a basis for effective nursing practice and as a basis for contributing to the development of professional nursing.
5. To understand some aspects of the major religious philosophies and practices as they relate to personal and spiritual growth and to nursing patients and families.

ADMISSION REQUIREMENTS

Preference will be given those applicants who have demonstrated superior ability in all areas: academic, health, and personal. Admission and academic requirements of the Medical College, listed on page GI 23, must be satisfied. In addition the School of Nursing requires:

Age: The minimum age is 16 for admission to the freshman year of the School of Nursing.

Pre-Entrance and/or Guidance Tests: Tests of the National League for Nursing are required of all applicants. The tests should be taken as soon as possible, preferably by January of the senior year of high school, and must be taken prior to entrance. A schedule of the examinations will be forwarded each prospective applicant with application materials.

Personal Interviews: Appointments for personal interviews should be made by writing to the Dean of the School as soon as the applicant becomes interested.

On occasion appointments may be arranged in other cities with the Dean, or other designated faculty members.

TRANSFER STUDENTS

No "D" grades may be transferred. Transfer students must meet the same requirements as other students in the program.

TRAVEL RELEASES

Before matriculation each accepted student must file written permission by parents or guardians to travel by public and/or private carrier. Forms for this purpose shall be provided by the Director of Women's Activities.

FEES AND EXPENSES

See page GI 16.

FINANCIAL ASSISTANCE AND EMPLOYMENT OPPORTUNITIES

For information on financial assistance, see page GI 21. The Student Financial Aids Bulletin may be obtained by writing to the Financial Aids Office, Medical College of Georgia, Augusta, Georgia 30902. This brochure includes information regarding Federal Traineeships under Public Law 88-851, Title 8, Section 821 and about part-time employment in the hospital. Students interested in applying for either of these programs should contact the Dean of the School of Nursing.

An application form on which you may apply for any of the other programs listed in the brochure may be secured by writing the Financial Aids Office.

If needed assistance is not obtained through the Financial Aids Office, confer with the Dean of the School of Nursing.

STUDENT ORGANIZATIONS AND ACTIVITIES

Students in the School of Nursing, like students of Augusta College, participate in the activities and organizations on that campus.

An Honors Program, a forerunner to Sigma Theta Tau, the National Honorary Society for Nurses, was organized in 1969.

In addition to the regular activities at the Medical College, students in Nursing belong to class organizations and the Student Nurses Association. Membership in the State and National Student Nurses Association is optional.

FACILITIES, GENERAL EDUCATION AND PROFESSIONAL

The general education facilities of Augusta College, combined with those of the Medical College of Georgia, offer excellent opportunities for a balanced program of liberal and professional education. Coordinated planning makes possible the inclusion of upper division courses in general and supporting educational areas, as well as the building of the nursing major on a known base of general education.

In addition to facilities for instruction as listed under "General Information", the School of Nursing utilizes other agencies as necessary: Gracewood State School and Hospital, Veterans Administration Hospitals, industries, nursing homes, day and nursery schools, and others to meet the programs' objectives.

Selection is made on the basis of their contribution in helping give the student a better understanding of continuity of patient care and total health planning.

CURRICULUM

The School of Nursing offers a four-year, 12-quarter, academic program leading to the degree of Bachelor of Science in Nursing.

The courses in general education and supporting areas are offered throughout the program with the exception of two quarters. They are planned to contribute to the professional courses and to the offering of a sound, integrated four-year program. It is the purpose of the School of Nursing to develop a curriculum which aids in the development of the individual personally, as a citizen and as a professional nurse.

Courses are to be taken in outlined sequence unless otherwise approved by the Dean or her designee. All course requirements for the first three years must be completed before beginning the senior year. For information relative to advanced credit, refer to page GI 24, "Transfer Credit."

First Year

Fall Quarter			*Quarter Hours*
ENG	101.	Composition I	5
CHM	105.	Inorganic Chemistry	5
HIS	211. or 212.	History: American or Western Civilization	5
PED		Physical Education	0
Winter Quarter			
ENG	102.	Composition II	5
CHM	245.	Biochemistry	5
BIO	111.	Human Anatomy and Physiology I	5
PED		Physical Education	0

Spring Quarter

POL	101.	American Gov.	
	or		
HIS	116.	Western Civilization	5
PSY	101.	Introduction to Psychology	5
BIO	112.	Human Anatomy and Physiology II	5
**MATH	101.	College Algebra	
*NSG	113.	Nursing History	2
PED		Physical Education	0

Second Year

Fall Quarter

SOC	101.	Introduction to Sociology	5
BIO	211.	Microbiology	5
EDU	304.	Educational Psychology	5
*NSG	201.	Nursing as a Profession	2

Winter Quarter

NSG	203.	Science for Nursing	3
NSG	204.	Principles and Foundations of Nutrition	3
*NSG	241.	Medical-Surgical Nursing I	11

Spring Quarter

NSG	230.	Principles of Teaching	3
*NSG	242.	Medical-Surgical Nursing II	11
SOC	203.	The Family	5

Third Year

Fall Quarter

EDU	302.	Human Development	5
*NSG	331.	Mental Health and Psychiatric Nursing	11

Winter Quarter

*NSG	341.	Maternal-Child Health Nursing I	11
Elective		(literature, mathematics, or other course)	5

Spring Quarter

*NSG	342.	Maternal-Child Health Nursing II	11
Elective		(literature, mathematics, or other course)	5

*If approved, these courses may be validated by examination (this may also apply to certain general education courses).

**Pre-test in Mathematics, successfully passed, may be substituted for Math 101; however enrollment advised. If course taken, 5 hours of credit may be used as an elective.

Fourth Year

Fall Quarter

PHY	301.	Ethics	5
NSG	402.	Senior Clinical Nursing	11

Winter Quarter

NSG	414.	Community Health Nursing	14
NSG	440.	Nursing in a Small Community	2

Spring Quarter

NSG	452.	Foundations and Trends in Nursing and Nursing Education	5
NSG	470.	Principles of Management and Leadership	12

Throughout the program and largely in the clinical courses, an application of principles from the social-physical and biological sciences, as well as health concepts including mental health, geriatrics, nutrition and diet therapy, patient and family teaching, interpersonal relationships and communication skills, pharmacology, epidemiology, biostatistics, disaster nursing, occupational health, and rehabilitation skills will be integrated.

Nursing 440, all clinical nursing and the nutrition course include laboratory practice in the clinical setting.

COURSE DESCRIPTIONS

NSG 113. Nursing History. *2 quarter hours; Fall and Spring.*

A consideration of the historical development of nursing, including an analysis of the socio-economic and cultural influences affecting its evolution.

NSG 201. Nursing as a Profession. *2 quarter hours; Fall.*

An orientation to the field of professional nursing with emphasis on the role of the individual in a profession, and the nursing profession in society.

NSG 203. Science for Nursing. *3 quarter hours; Fall and Winter.*

A course designed to help the student integrate principles from the physical and biological sciences into meaningful concepts which underlie man's physiologic responses in health and stress.

NSG 204. Principles and Foundations of Nutrition. *3 quarter hours; Fall and Winter.*

A study of the basic principles of nutrition and their application to the planning of diets for individuals and families. The problem solving approach is used in the identification and application of physical and chemical factors involved in digestion and metabolism of food in relation to specific patient-family nutritional problems.

NSG 230. Principles of Teaching. *3 quarter hours; Fall and Spring.*

A study of educational philosophy, principles and teaching-learning methods and their broad application to the development of teaching materials, and to guidance of the learning of individuals and groups.

NSG 241. Medical-Surgical Nursing I. *11 quarter hours; Winter and Spring. (8 hours content; 3 five hour laboratory periods).*

A study of common health problems of selected adult patients including nursing fundamentals, medical and surgical asepsis and orthopedics; and the scientific principles, attitudes and skills related to meeting the nursing care needs of those patients on the medical-surgical units, outpatient department, homes, schools, and other health agencies.

NSG 242. Medical-Surgical Nursing II. *11 quarter hours; Winter and Spring. (8 hours content; 4 three hour laboratory periods).*

A study of nursing care problems of selected adult patients with medical-surgical conditions including selected gynecologic, gastrointestinal and heart conditions, cancer, diabetes mellitus, and blood dyscrasias.

NSG 331. Mental Health and Psychiatric Nursing. *11 quarter hours; Fall, Winter and Spring. (8 hours content; 3 five hour laboratory periods).*

A study of problem-solving techniques and communication skills as they relate to psychological growth and development, and the principles concerned in nursing care of selected patients with mental health problems or psychiatric disorders.

NSG 341. Maternal-Child Health Nursing I. *11 quarter hours; Fall, Winter and Spring. (8 hours content; 3 five hour laboratory periods).*

Family-centered developmental approach in the study of adolescents, involving preparation for marriage, family living and parenthood; and a study of the psychological and physiological problems encountered in each phase of the maternity cycle and with newborn infants in the neonatal period.

NSG 342. Maternal-Child Health Nursing II. *11 quarter hours; Fall, Winter and Spring. (8 hours content; 3 five hour laboratory periods).*

Family-centered developmental approach to the study of children of various age levels; the promotion of their physical, social and emotional health; and the study of comprehensive nursing care during illnesses common to childhood.

NSG 402. Senior Clinical Nursing. *11 quarter hours; Fall and as scheduled (8 hours content, conferences; 3 three hour laboratory periods).*

Analysis of complex problems including developmental, health and long-term illness based on study of the literature and the significant theories and laws from physical, biological, social and medical sciences. Nursing hypotheses thus derived are tested and converted into theories and principles in nursing practice with individuals and patient groups in various clinical areas and settings. Academic instruction and laboratory experiences are qualitatively selected to meet the learning needs of students.

NSG 410. Gerontology. *5 quarter hours. Spring quarter. Prerequisite—Junior standing or permission of the instructor.*

A multidisciplinary course in the field of aging based on current theories, trends and research from the physical, biological, social, and medical sciences. Observation of community health and welfare facilities for the elderly. Laboratory experiences in nursing care as related to problems of anatomic and physiologic changes, behavioral responses, medical diagnosis, treatment and rehabilitation of the elderly patient.

NSG 414. Community Health Nursing. *14 quarter hours. Fall, Winter and Spring. (8 hours content and conference; 6 three hour laboratory periods).*

An overview of the philosophy, principles and trends in community health services which emphasize means of nursing intervention for the promotion of health and prevention of disease in individuals and families encountered in the community. The public health sciences are an integral

part of the course. Laboratory practice is provided in an agency having a generalized public health nursing program.

NSG 440. Nursing in a Small Community. *2 quarters hours; Fall, Winter and Spring. (1 hour content, conferences; 1 three hour laboratory period).*

Directed observation and field instruction in a small community including a study of the responsibilities of the professional nurse in the promotion and maintenance of optimum health of patients and families who seek service in a small community hospital, and in other health and welfare agencies.

NSG 452. Foundations and Trends in Nursing and Nursing Education. *5 quarter hours; Winter and Spring.*

An analysis of the trends and current problems in nursing and their relationship to nursing education programs and to the practice of professional nursing.

NSG 470. Principles of Management and Leadership. *12 quarter hours; Winter and Spring. (6 hours content, conferences; 2 eight hour and 1 two hour laboratory periods).*

A study of the basic principles of scientific management, leadership and interpersonal relations; and guided learning experiences and their application to nursing team leadership and head nurse positions in nursing.

SCHOLARSHIP AND PROMOTION

Academic advancement. Promotion is dependent on satisfying all academic course requirements, and upon the maintenance of a weighted grade point average of 2.

Advancement examinations. The policy governing required achievement examinations shall be posted in the School of Nursing; students are expected to meet requirements of courses and achievement examinations according to current policies. All course requirements, all achievement examinations, and all validation examinations for the first three years must be completed before a student is permitted to register for the senior year curriculum.

REQUIREMENTS FOR GRADUATION

General requirements for graduation from the undergraduate programs of the Medical College of Georgia are listed on page GI 31.

Applicable specifically to the School of Nursing:

Courses taken more than 5 years prior to graduation, if used to meet degree requirements, must be re-evaluated by

the Executive Committee of the School of Nursing. Completion of all senior nursing courses is required with at least 186 quarter hours completed for graduation. All graduates must meet the requirements for the degree as outlined for that graduating class. Refer to page GI 32, "Scholarship and Promotion" for grade requirement.

The College reserves the right to withhold the diploma of a student who has completed all degree requirements if her conduct fails to demonstrate appropriate social, ethical, and professional standards.

ALUMNI ASSOCIATION

The Alumni Association of the School of Nursing was formed in an effort to bring the alumni members of the Medical College of Georgia School of Nursing and the graduates of the former Department of Nursing at the University of Georgia into closer relationship, to promote educational advancement and good fellowship among the graduates and students of this school, to provide for mutual understanding to help in the solving of problems common to all members, and to provide for mutual help and improvement of the educational and professional standards of nursing, in cooperation with other professional organizations.

All persons who have graduated from the Medical College of Georgia School of Nursing, or from the former Department of Nursing of the University of Georgia, are eligible for membership in the Association. A member who contributes annually to the Association is entitled to vote, to hold office, and to receive the Alumni News, a quarterly publication about the school and its alumni.

In an effort to bring members of the Association together, an annual Lectureship is held shortly before graduation, at which time developments of the school are discussed and a paper is presented by a nationally-known authority in nursing or education.

ACCREDITATION

The School of Nursing is accredited by the National League for Nursing, and is a member agency of the Department of Baccalaureate and Higher Degree Programs.

The program also is approved by the Board of Examiners of Nurses for Georgia. Graduates are eligible to take the state licensing examination, successful completion of which entitles the nurse legally to practice nursing and to use the title "Registered Nurse" (R. N.).

THE MASTER OF SCIENCE IN NURSING PROGRAM

The School of Graduate Studies, in cooperation with the School of Nursing, offers the Master of Science in Nursing degree. Requirements for this offering are those of the School of Graduate Studies. See page GS 3.

OBJECTIVES

The program leading to the Master of Science in Nursing degree is designed to prepare qualified students to practice as clinical specialists, as teachers in nursing or as nursing service administrators. The objectives for students of the graduate program are:

- Knowledge of theory and basic concepts in the area of specialization and in contributory fields.
- Ability to apply theoretical and conceptual knowledge selectively in practice in the area of specialization.
- Ability and motivation to continually add to the body of knowledge and improve practice through independent study and experience.
- Ability to use in practice research findings in nursing and related fields, and to design, accomplish and report scientific studies in the area of specialization.
- Understanding and acceptance of the responsibilities, personal, professional and community, which accompany the leadership—specialist role in nursing.

PROGRAM OFFERING

A student may select a major in Nursing Service Administration in Hospitals and Community Agencies, in Medical-Surgical Nursing or in Mental Health and Psychiatric Nursing. In the Clinical field the student may select to prepare for clinical specialization or for teaching nursing. The practicum in teaching provides for choice of supervised experience in baccalaureate or associate degree programs, or other educational programs in nursing.

ADMISSION REQUIREMENTS AND INFORMATION

See page GI 23 and GS 2.

CURRICULUM

See page GS 24 (included under School of Graduate Studies).

APPLICATION

Application for admission to the Graduate Program in Nursing, Medical College of Georgia, is made directly to the Dean, School of Graduate Studies, Medical College of Georgia, Augusta, Georgia 30902.

The program begins with the Summer quarter. The complete application should be on file at least four weeks prior to the beginning of the *Summer quarter*. However, it is suggested that the initial application papers be submitted during the preceding September or October, or earlier. To be complete, an application must include the report of the Graduate Record Examination (aptitude test only) and the NLN Graduate Nurse Examination scores. Information regarding the dates and places where the examinations are administered can be obtained from the School of Graduate Studies.

Applicants should confer with the major advisor of the field of choice and with the Director of the Graduate Program in Nursing regarding program planning.

Dean: Bard.

The School of Allied Health Sciences at the Medical College of Georgia was established as an administrative entity in 1968. Prior to this date, programs in medical illustration, medical record science, medical technology and radiologic technology had been active and, in 1967, the dental hygiene program was initiated. The School is organized into departments, providing programs for each of the allied health professions leading to the baccalaureate degree.

Personal interviews are required of all applicants. Such interviews may be scheduled by writing to the appropriate department chairman as soon as the applicant becomes interested. The interview offers an opportunity for curriculum planning and acquaintance with faculty and campus, and is arranged to suit the convenience of the applicant.

Fees and expenses applicable to degree candidate students are listed on pages —— of this catalog; special information regarding fees and expenses are found in each department's section of this catalog.

Loans and scholarships are described on pages GI 21 and GI 22. Any student requiring financial assistance should write to: The Director of Financial Aids, Medical College of Georgia, Augusta, Georgia 30902.

General requirements for graduation are listed on pages GI 31 and GI 32. Specific requirements, where applicable, are listed under each department's section of this catalog.

Inquiries and application requests for any of the departments in the School of Allied Health Sciences may be directed to: The Registrar, Medical College of Georgia, Augusta, Georgia 30902.

DENTAL HYGIENE

Chairman:	Galbaugh
Supervising Dentist:	Pennel
Faculty:	Brown, Damon

In cooperation with the School of Dentistry, this department offers a program of studies leading to the Bachelor of Science Degree in Dental Hygiene. Upon satisfactory completion of the Dental Hygiene Program, graduates will be eligible for National and State Board examinations.

CAREERS IN DENTAL HYGIENE

The dental hygienist educates patients in effective personal care of the oral cavity and provides, under the supervision of a dentist, oral health care. The opportunity to serve both in the area of education and in the area of direct service affords a unique and satisfying career. The demand for competent faculty in the growing list of dental hygiene programs is opening a major new avenue for self-expression and fulfillment to many talented persons.

Dental hygiene provides a variety of opportunities for career development. The majority of dental hygienists are found in private practice in a dental office or in a group practice environment. An increasing number are serving as members of public health teams at local, state, and national levels. New opportunities in the field of education will be available in both the public schools and the dental hygiene schools. Unlike many other professions, dental hygiene offers the opportunity for either a full-time or a part-time career.

In any of these roles, the dental hygienist performs an important, meaningful service to her community. She is a respected member of society and her financial status compares favorably with those of persons in other health fields who have had comparable education.

ACCREDITATION

The Department of Dental Hygiene is fully accredited by the Council on Dental Education of the American Dental Association.

ADMISSION REQUIREMENTS

The program requires two years of study in the Arts and Sciences, plus two years of study in dental hygiene. There are no specific course requirements for admission, but a balanced program of studies in the liberal arts and sciences is preferred.

Listed below is a suggested pre-dental hygiene curriculum:

	Quarter Hours	*Semester Hours*
Humanities	20	12
Natural Sciences	20	12
Social Sciences*	20	12
Philosophy or Psychology	10	6
Mathematics	10	6
Electives	10	12
TOTAL	90	60

*Political Science 101 and History 211 or 212 are required unless a student has passed an exemption examination in these subjects.

The Council on Dental Education requires a course in speech.

Applicants with less than two years of college, but with an outstanding academic record, may be considered for admission. Deficiencies may be made up during the summer sessions or during the academic year in order to qualify for the baccalaureate degree.

It is preferred that the applicant take the Dental Hygiene Aptitude Test.

CURRICULUM

The curriculum for the baccalaureate program in Dental Hygiene includes the following:

Junior Year

			Credit Hours
Orientation Week			
	Sensitivity and Communication		0
Fall Quarter			
POL	101.	American Government* (lecture) or Elective*	5
ANM	320.	Anatomy and Physiology (lecture)	5
DH	300.	Clinical Dental Hygiene (clinic & demonstration)	3
BIO	301.	Introduction to Chemistry (lecture)	3
DH	312.	Oral Anatomy and Physiology (lecture)	2
DH	318.	Growth and Development (lecture & demonstration)	2
DH	320.	Dental Hygiene Lecture	1
			21
Winter Quarter			
HST	101.	Survey of American History* (lecture) or Elective*	5
ANM	325.	Head & Neck Anatomy (lecture & demonstration)	5
DH	301.	Clinical Dental Hygiene (clinic & demonstration)	3
BIO	302.	Biochemistry (lecture & laboratory)	3
DH	314.	Dental Radiology (lecture)	2
DH	321.	Dental Hygiene Lecture	1
DH	409.	Dental Material	2
			21
Spring Quarter			
PSY	255.	Psychology of Adjustment (lecture)	4
MIB	301.	Microbiology (lecture & demonstration)	4

ANM	321.	Anatomy and Physiology (lecture & demonstration)	5
PHM	311.	Pharmacology and Anesthesiology (lecture)	2
DH	302.	Clinical Dental Hygiene (clinic)	3
DH	315.	Radiology (lecture, Demon., & directed exp.)	2
DH	322.	Dental Hygiene Lecture	1
			21
Year's Total Credit Hours			63

Senior Year

Fall Quarter

			Credit Hours
DH	400.	Clinical Dental Hygiene (clinic)	4
DH	404.	Periodontics (lecture & demonstration)	2
PSY	455.	Psychology (lecture)	4
DH	420.	Dental Hygiene Lecture	1
DH	412.	Introduction to Public Health	4
		Elective	0- 5
			15-20

Winter Quarter

DH	401.	Clinical Dental Hygiene (clinic)	4
DH	406.	Pathology (lecture & laboratory)	3
DH	407.	Dental Health Education—Public Health (lecture & demonstration)	3
DH	408.	Preventive Dentistry (lecture & demonstration)	2
		Elective	0-5
DH	413.	Applied Nutrition (lecture & demonstration)	2
DH	405.	Principles of Dental Hygiene Practice	2
DH	421.	Dental Hygiene Lecture	1
			22

Spring Quarter

DH	402.	Clinical Dental Hygiene (clinic)	4
DH	409.	Dental Materials (lecture & demonstration)	2
DH	423.	Public Health (lecture)	4
DH	411.	Directed Field Experience, incl. Ecology	10
DH	422.	Dental Hygiene Lecture	1

Year's Total Credit Hours	63
Two-Year Total Credit Hours	126

COURSE DESCRIPTIONS

ANM 320, 325, 321. Sequential Courses.
General Gross, Microscopic, and Developmental Anatomy.

ANATOMY 320 and PHYSIOLOGY.
This is an integrated course of anatomy for dental hygiene students. It is initiated with cytology, early embryology, and basic histology. Following this, a study of gross anatomy, organology, and embryology is carried out on the vital systems. *(5 hrs.)*

ANM 325. Head & Neck Anatomy.
Gross, Microscopic, and Developmental Anatomy *(regions of the head and neck)*. This course includes a detailed study of these same facets of the oral cavity. *(5 hrs.)*

ANM 321. Gross, Microscopic, and Developmental Anatomy.
This course includes the systems not covered in 320 above. (Including the endocrine system). The course is completed with the regional study of the thorax, abdomen, pelvis, and extremities. *(5 hrs.)*

BIO 301. Introduction to Chemistry. *(lecture).*
This course is designed for those who have had no previous chemistry or mathematics courses. It is a survey of important topics in inorganic and organic chemistry. Two one hour lectures per week for twelve weeks. *(3 hrs.)*

BIO 302. Biochemistry. *(lecture & laboratory).*
The course is designed to provide the dental hygiene student with a general knowledge of the field of biochemistry. The chemical composition of body tissues and fluids together with the changes which occur in the life processes are studied. Special attention is given to those aspects of

biochemistry which are more closely related to the field of dental hygiene. Four hours lecture per week for twelve weeks. *(3 hrs.)*

DH 300, 301, 302. Clinical Dental Hygiene. *(lecture and clinic).*

The courses in Dental Hygiene are designed and taught to present to the student a concept of the interrelation of clinical service, health education and interpersonal relationships. The ethical principle of the deliverance of a health service is based on the need of the individual. *(3-4-3 hrs.)*

DH 312. Oral Anatomy and Physiology. *(lecture).*

This course is designed to provide the student with a basic knowledge of the topographical anatomy and pre-natal development of oral structures, the nomenclature of the teeth, the comparative forms and functions of the teeth, the microanatomy of the teeth and their supporting structures, and of normal and malocclusion. *(2 hrs.)*

DH 314 & 315. Radiology.(*lecture, demonstration and directed exp.)*

The course is designed to acquaint the student with the fundamentals of radiology. Intra-oral technics for the taking and processing of radiographs are taught and clinical time is afforded for the application of these principles. *(2-2 hrs.)*

DH 318. Growth and Development. *(lecture and demonstration).*

The concepts of maturation, variation and normalcy in children, both in a statistical and clinical sense, are presented to help the student understand children as patients. Application of these concepts are made during clinical experiences with children. *(2 hrs.)*

DH 320, 321, 322. Dental Hygiene Lecture. *(clinic) (1-1-1 hr.)*

DH 400, 401, 402. Clinical Dental Hygiene. *(clinic).*

An overview of the various principles and methods of performing clinical procedures will be presented, including expansion of basic techniques. Supplemental procedures will be discussed with the emphasis on prevention through treatment and patient education. Clinics provide student opportunity for practical application. *(4-5-4 hrs.)*

DH 404. Periodontics. *(lecture & demonstration).*

The course contains fundamental material which will provide a sound background and working knowledge of periodontics. A basic understanding of periodontics is necessary

for the dental hygiene student to realize the significance of patient education and of the dental prophylaxis, her primary clinical responsibilities. *(2 hrs.)*

DH 405. Principles of Dental Hygiene Practice. *(lecture).*
In preparation for graduation and entry into community and professional life, discussions will be held concerning dental hygiene employment, private practice environments, legal situations, ethical codes of conduct, business procedures and professional organizations. *(2 hrs.)*

DH. 406. Pathology. *(lecture & laboratory).*
This course is designed to familiarize the dental hygiene student with common diseases of the oral regions. Emphasis is placed on clinical manifestations, but histopathological findings are not excluded. The course is not designed to build diagnostic skills, but the student will gain an understanding of oral disease processes and should be able to differentiate normal from common abnormal structures. *(3 hrs.)*

DH 407. Dental Health Education. *(lecture and demonstration).*
The sum of experiences which favorably influence habits, attitudes and knowledge relating to individual and community health is known as Health Education.
Four phases of activities which relate to Health Education are sensitization, publicity, education, and motivation. *(3-4 hrs.)*

DH. 408. Preventive Dentistry. *(lecture and demonstration).*
The theoretical basis and research evidence supporting a variety of currently accepted methods for preventing oral disease are discussed. Students are introduced to the practice of these methods in clinical situations. *(2 hrs.)*

DH 409. Dental Materials. *(lecture and demonstration).*
The information concerning dental materials is based on physical, mechanical and chemical principles. The indications and limitations of materials used in both clinical and laboratory procedures will be discussed. The biologic relationships of dental materials and procedures will be stressed along with emphasis being placed on the proper manipulation of materials used by dental hygienists. *(2 hrs.)*

DH 411. Directed Field Experience, Incl. Ecology.
Directed field experience will be given to the dental hygiene students to study the pattern and relationships between man and his environment. *(10 hrs.)*

DH 412. Introduction to Public Health. *(lecture).*

This course is designed to provide the dental hygiene student with a working definition of public health and of dental public health, to acquaint her with the nature and scope of public health activities, criteria for priorities, and the traditional tools of public health. It is intended that the student will have an understanding of the basics of the statistical method, and will be familiar with the milestones in the development of the public health movement. *(4 hrs.)*

DH 413. Applied Nutrition. *(lecture and demonstration).*

This course follows earlier courses dealing with biochemical aspects of nutrition. Oral manifestations of faulty nutrition are presented. The student is instructed in diet history taking and dietary counselling. *(2 hrs.)*

DH 420, 421, 422. Dental Hygiene Lecture. *(1-1-1 hr.)*

MIB 301. Microbiology. *(lecture and demonstration).*

A comprehensive study of microbiology for students of dental hygiene. The course covers systematic microbiology and the principles of infection and resistance, oral diseases of microbial origin, and systematic infectious diseases with oral manifestations. *(4 hrs.)*

PHM 311. Pharmacology and Anesthesiology. *(lecture).*

This course is designed to acquaint the dental hygiene student with certain concepts of drug action in the human. Knowledge of drugs is important so that the hygienist can assume her proper role as a member of an oral health team.

The following areas will be covered and related to oral health care: 1) General Principles of Pharmacology and Drug Action, 2) Methods of Drug Administration, 3) The Health History and Its Significance for Dental Therapy, 4) Chemotherapy and Antisepsis, 5) Autonomic and CNS Pharmacology, 6) Local and General Anesthesia, 7) Therapy of Blood Defects, and 8) Therapy in Important Systemic Diseases. *(2 hrs.)*

PSY 255 & 455. Psychology. *(lecture).*

This course studies the social behavior of man and treats several major social problem areas in depth. The plan of study is organized in three phases: 1) historical and developmental aspects of social behavior, 2) attitudes, interpersonal relations, group prothesis and dynamic growth and special problems in social behavior.

The first two phases in the course are taught by lecture and the third phase consists of student presentations from phase three from their term papers which are required in the course. *(4-4 hrs.)*

MEDICAL ILLUSTRATION

Chairman: Parkes.

Faculty: Garlington, Lanier.

The Medical College of Georgia offers programs leading to the Bachelor and Master of Science degrees in Medical Illustration. Students who are accepted are given instruction in the materials and techniques of medical illustration, and also are enrolled in appropriate preclinical courses.

Emphasis is placed upon the development of proficiency in depicting operative and clinical procedures, the presentation of statistical results of research, and the illustration of books and manuscripts. Of equal importance is the modeling and casting of three-dimensional anatomical models and the design and production of medical exhibits.

Stress is placed upon the acquisition of basic medical knowledge and the means by which scientific information may be converted into illustrations which are clear, concise, accurate, and aesthetic.

NATURE OF THE PROFESSION

Modern medicine is making increased use of the artist's talents to reach broad and varied groups through publications, television, lectures, and exhibits. To meet the exacting requirements of each communication method, the medical illustrator chooses from such media as drawing, painting, sculpture or photography, in which his renditions may be realistic or diagrammatic.

Some illustrators specialize in a single medium; others use several. At times illustrators focus their interest within one of the medical specialties. Occasionally the artist works as a member of a research team, not only to provide illustrations, but to assist with the research problem. Often the illustrator's skills are used for making artificial body parts (prosthetics) such as eyes, hands, and ears where cosmetic or functional improvement is desired.

ACCREDITATION

The Department of Medical Illustration is accredited by the Accrediting Council of the Association of Medical Illustrators.

ADMISSION INFORMATION AND REQUIREMENTS

General undergraduate admission requirements and procedures are listed on pages GI 23-25. Only those require-

ments peculiar to the program in Medical Illustration are listed here. Admission requires a high degree of artistic ability developed through training in fine and applied art plus a general background in the biological sciences and the humanities. Applicants are considered on the basis of their academic qualifications, appraisals from college instructors, and evidence of trained artistic ability. Specific requirements are:

1. Attendance at any accredited college or university for at least the freshman and sophomore years, which should include acceptable coverage of certain subjects as suggested below.*

	Quarter Hours
Science (Introductory biology, elementary and applied human physiology, comparative anatomy of vertebrates, vertebrate embryology and histology)	30
Liberal Arts (English, foreign language, history, sociology, psychology, philosophy)	20
Art (Art fundamentals, freehand drawing, perspective, figure drawing, layout and lettering, oil painting, wash drawing, art anatomy, sculpture, design)	40
TOTAL	90

2. Submission of a portfolio of artwork which demonstrates the abilities and scope of training of the applicant.

*These courses are listed simply to give the student an understanding of the desired premedical illustration curriculum.

CURRICULUM

The total professional curriculum leads to the degree, Master of Science in Medical Illustration. The first part of this curriculum consists of two or more years of study on the Medical College of Georgia campus, leading to the degree, Bachelor of Science in Medical Illustration. The second part consists of a year or more of work in the School of Graduate Studies which leads to the Master's degree. Students are

accepted with the intention of their completion of the total curriculum, requiring three or more years of study.

Applicants who already have completed four years of college and who have received a baccalaureate degree will be enrolled in the same program outlined below as undergraduate student candidates for the Bachelor of Science degree in Medical Illustration.

Applications and portfolios must be received prior to April 1 of the year in which one is applying for entrance in September. Applicants will be notified of the final action taken on their application by May 1.

The curriculum is as follows:

First Year

		Quarter Hours
Fall Quarter		
MIL 350.	Techniques of Medical Illustration I	8
MIL 355.	Presentation of Data	2
MIL 370.	Gross Anatomy	8
Winter Quarter		
MIL 351.	Techniques of Medical Illustration II	6
MIL 359.	Commercial Medical Illustration	3
MIL 361.	Ophthalmological Illustration	2
MIL 364.	O. R. and Surgical Drawing	3
MIL 356.	Presentation of Data	2
MIL 374.	Psychiatry and Human Development	2
MIL 378.	Clinical Surgery	3
**BIO 314.	Physiology	5
Spring Quarter		
MIL 352.	Techniques of Medical Illustration III	6
MIL 358.	Anatomical Sculpture	3
MIL 363.	O. R. and Surgical Drawing	5
MIL 366.	Medical Photography—Television I	2
MIL 375.	Psychiatry and Human Development	2

**See Course Description

Second Year

		Quarter Hours
Fall Quarter		
MIL 450.	O. R. and Surgical Drawing	6
MIL 458.	Medical Photography—Television II	2
MIL 453.	Color Rendition	2
ANM 813.	Histology	8
Winter Quarter		
MIL 451.	O. R. and Surgical Drawing	6
MIL 461.	Color Rendition	4

MIL 459.	Medical Photography—Television III	3
MIL 463.	Medical Publishing	1
MIL 513.	Neuroanatomy	4

Spring Quarter

MIL 452.	O. R. and Surgical Drawing	8
MIL 462.	Color Rendition	5
MIL 460.	Medical Photography—Television IV	3
MIL 475.	Statistics	2

COURSE DESCRIPTIONS

MIL 350, 351, 352. Techniques of Medical Illustration. *Three quarters, 20 quarter hours.*

Instruction in the use of the media of the medical illustrator; carbon dust, water color wash, etc., in depicting anatomical and pathological specimens in continuous tone.

The study of illustrating medical material in line work with pen and ink; the use of the airbrush in color and black and white studies. *Mr. Parkes and staff.*

MIL 355, 356. Presentation of Data. *First and second quarters, 4 quarter hours.*

The use of mechanical lettering and drafting instruments in the graphic presentation of scientific data as diagrams, charts, and graphs. *Miss Garlington.*

MIL 358. Anatomical Sculpture. *Third quarter, 3 quarter hours.*

Elementary clay modeling of anatomical dissection and the casting of these objects in plaster. *Mrs. DeRoller.*

MIL 359. Commercial Medical Illustration. *Second quarter, 3 quarter hours.*

Students prepare brochures and pharmaceutical advertising material in color from basic layout to completed mechanicals suitable for publication. *Miss Garlington.*

MIL 361. Ophthalmological Drawing. *Second quarter, 2 quarter hours.*

Drawings of the fundus of the eye of patients or fellow classmates are accomplished, as well as drawings of normal and pathological gross eye subjects. *Mr. Parkes and staff.*

MIL 364. O. R. and Surgical Drawing. *Second and third quarters, 8 quarter hours.*

Students observe operative procedures in the operating rooms of the hospital making rough sketches of procedures for later completion.

Operating room, clinic, and examining room sketches are worked into detailed drawings using art media previously studied. *Mr. Parkes and staff.*

MIL 366. Medical Photography—Television I. *Third quarter, 2 quarter hours.*

Elementary photography and dark room techniques are studied. *Mr. Lanier.*

Equipment used and methods of producing television presentations will be covered in this course. Graphics, animation and programming will be emphasized. *Mr. Jackson.*

ANM 511. Gross Anatomy. First year, *8 quarter hours.*

Dissection of a human body by students assigned in groups of four working under the supervision of the faculty. *Dr. Gatz and staff.*

MIL 374, 375. Psychiatry and Human Development. *Second and third quarters, 4 quarter hours.*

Introduction to the relationship to physical environment and behavorial factors in the development of children and adults. *Dr. Sisson.*

BIO 314. Physiology. *First year, 5 quarter hours.*

A study of the principles of physiological mechanisms. Note: Students who have undergraduate credit in human physiology prior to entrance here will be exempt from this class at Augusta College. *Dr. Walkowiak.*

MIL 378. Clinical Surgery. *First year, 3 quarter hours.*

An exercise in which the students perform standard operations on anesthetized animals. *Dr. Wray.*

MIL 450, 451, 452. Operating Room and Surgical Drawing. *Three quarters, 20 quarter hours.*

Pencil sketching in the operating rooms and clinics of the hospital.

Completion of highly detailed drawings of surgical procedures and clinical examinations. *Mr. Parkes and staff.*

MIL 458, 459, 460. Medical Photography — Television. *Three quarters, 8 quarter hours.*

Advanced training in the medical photography laboratories of the photographic unit, copying of charts, graphs, etc.; the photography of patients in the studio and operating areas, photomicrography and motion picture photography. *Mr. Lanier*

Equipment used and methods of producing television presentations will be covered in this course. Graphics, animation and programming will be emphasized. *Mr. Jackson.*

MIL 453, 461, 462. Color Rendition. *First, second and third quarters, 11 quarter hours.*

The use of water color wash, tempera, colored pencils and airbrush in the development of drawings of clinical and anatomical subject material.

The viewing of the cavities of the body, using cystoscopes, bronchoscopes, proctoscopes, etc., and completion of drawings in color of such procedures. *Miss Garlington.*

MIL 463. Medical Publishing. *Second quarter, 1 quarter hour.*

Methods of publishing medical drawings and the preparation of such material for the printer and engraver. Also the ethics involved in the utilization of previously published work of other artists. *Miss Garlington.*

ANM 813. Histology. *One quarter, 8 quarter hours.*

A comprehensive study of the cell, the fundamental tissue and the adult organs with relation to function. *Dr. Bowles and staff.*

ANM 513. Neuroanatomy. *Second quarter, 4 quarter hours.*

The study of the gross and microscopic structure of the human nervous system and organs of special sense. *Dr. Gatz and staff.*

MIL 475. Statistics. *Third quarter, 2 quarter hours.*

Lectures and specific class problems on the plotting and depicting of statistical material in various methods of presentation. *Miss Garlington.*

REQUIREMENTS FOR THE BACHELOR OF SCIENCE DEGREE IN MEDICAL ILLUSTRATION

In addition to the 90 quarter hours of transfer credit permitted as noted on page AH 12, a minimum of 90 quarter hours of credit must be earned in this department toward the baccalaureate degree.

A grade average of "B" must be accomplished in at least 75 per cent of all courses in residence in order to meet the requirements for graduation.

RECOMMENDATION FOR GRADUATION

Recommendations for graduation are made by the faculty of the Department of Medical Illustration.

QUALIFYING EXAMINATION FOR THE MASTER OF SCIENCE DEGREE

During the Spring quarter of the senior year students will be given the opportunity to take the qualifying examination for admission to the graduate course of study. Prerequisites for graduate study in medical illustration are listed on page GS 2.

Those not successful in the examination will be expected to enroll for a third year of study following a program similar in scope but patterned on an internship in medical illustration. Completion of this academic year of study will be recognized by a certificate of accomplishment and completion of the course in medical illustration.

GRADUATE YEAR OF STUDY

Curriculum, course outlines, and other details regarding the graduate year of study will be found in the section for the School of Graduate Studies.

MEDICAL RECORD SCIENCE

Chairman: Sirmans.

Faculty: Bjork, Kitchens, Wade

This department offers a program of studies leading to the Bachelor of Science degree in Medical Record Science. This program was approved in 1962 by the Board of Regents of the University System of Georgia. Students are accepted after completion of two years of college. The curriculum of the last two years utilizes the facilities of Augusta College and the Medical College of Georgia. Professional educational activities are provided in the teaching hospital of the Medical College, Eugene Talmadge Memorial Hospital, University Hospital, and other institutions in the city of Augusta, and hospitals in other cities in Georgia and adjoining states. Student enrollment is limited.

The program of the junior and senior years includes liberal arts courses, study and experience in medical record science, statistics, fundamentals of medical science, law as related to medical records and hospitals in general, medical information handling, organization and administration and systems of processing data in medical care institutions.

PHILOSOPHY AND OBJECTIVES

A medical record librarian is responsible for the development and maintenance of a system of medical records which will promote the best medical care for the patient, provide training materials for interns and residents and serve as a source of information for medical research and clinical evaluation. This profession should not be confused with that of medical librarian.

Most medical record librarians are employed in hospitals. Others work in clinics, medical research centers, medical departments of insurance companies, health agencies and local and state health departments.

The demand for qualified personnel is great and the number of unfilled positions is increasing, largely due to the increase in the number of hospitals and the complexity of medical records.

As a member of the health team, the medical record librarian works with the administrative, medical, and other professional staffs of the institution; she is concerned with the development, analysis, maintenance and use of records and reports.

The Department of Medical Record Science of the Medical College of Georgia has as its goal the education of mature persons who are capable of utilizing the vast resources of the institution to acquire knowledge and attain professional status. The student is encouraged to set his own goals and, through faculty leadership, develop to his fullest potential. It is expected that graduates will be equipped to become productive and contributory members of the profession and the institution in which they are employed and capable of accepting the responsibilities of management and service required of them. It is hoped that graduates will acquire advanced degrees and become teachers and leaders in this challenging field of health science.

ACCREDITATION

The Department of Medical Record Science is approved by the Council on Medical Education of the American Medical Association and by the American Medical Record Association.

Graduates are eligible for the registration examination of the American Medical Record Association, successful completion of which entitles them to use the title "Registered Record Librarian" (RRL).

TRAVEL RELEASES

Students under 21 years of age will be required to file with the Chairman of the Department written permission by parents or guardian for travel by public and/or private carrier.

ADMISSION REQUIREMENTS

The applicant may attend any accredited college or university of his choice for the freshman and sophomore years; however, admission and academic requirements of the Medical College of Georgia must be met. Preference will be given to those applicants who have demonstrated superior ability in all academic areas. All applicants must satisfy the U. S. and Georgia History and Constitution requirements by examination or by taking the courses. Courses listed in the Augusta College catalog as History 101 and Political Science 101 meet this Legislative requirement and these or equivalent courses may be taken in summer school or by correspondence through the University of Georgia. It is the responsibility of each student to make arrangements for these courses or to complete satisfactorily

an examination on the subjects; it is recommended that arrangements be made prior to enrollment at the Medical College of Georgia.

Accepted students transfer to the Medical College program in Medical Record Science at the beginning of the third year. Admission requirements, in addition to the general admission requirements listed on pages GI 23-25, include a curriculum for the freshman and sophomore years which show a minimum of 90 quarter hours (exclusive of Physical Education) of acceptable work as follows:

	Quarter Hours
English	20
Mathematics (Algebra or Equivalent)	5-10
*Foreign Language	10
**Natural Science, to include a laboratory course in Biology	20
***Social Science and Electives	30-45
TOTAL	90

*Students find that experience in learning a foreign language will be beneficial in mastering the language of medicine. Latin is of particular value. If the student has high school credit in a foreign language, this requirement may be relinquished.

**Courses in the Natural Sciences may include general biology, chemistry, botany, vertebrate zoology or comparative vertebrate anatomy, one of which must include laboratory animal dissection. Courses in human anatomy and physiology are offered as a part of the professional curriculum at the Medical College of Georgia.

***Students are encouraged to take at least one course which will enhance their ability to analyze problems and data. Some courses appropriate from which to choose are: Logic (Philosophy), Research Methods, Computer Programming, Higher Mathematics and Statistics.

Either credit or proficiency in typing must be demonstrated.

All required courses must be completed prior to registration in the Fall Quarter of the senior year.

The faculty of the Department of Medical Record Science is prepared to assist prospective students in planning courses for the first two years of college.

CURRICULUM

At the beginning of the third year of college the student enters the program at the Medical College of Georgia. Courses in the professional program are offered on this campus and at Augusta College. Organized courses are described below. Directed experiences are planned in several hospitals, principally at Eugene Talmadge Memorial Hospital, the teaching hospital for the Medical College of Georgia.

Junior Year

Fall Quarter		*Quarter Hours*
MRS 319.	Fundamentals of Management	3
ANM 320.	Anatomy and Physiology I	5
MRS 309.	Orientation to the Hospital Environment	1
STA 301.	Elementary Medical Statistics	3
	Elective	5
	TOTAL	17

Winter Quarter		
ANM 321.	Anatomy and Physiology II	5
MRS 310.	Theory of Medical Record Science I	5
MRS 320.	Organization and Administration I	3
MRS 340.	Directed Experience I	1
	TOTAL	14

Spring Quarter		
MRS 301.	Medical Terminology	5
MRS 311.	Theory of Medical Record Science II	5
MRS 321.	Organization and Administration II	3
MRS 341.	Directed Experience II	2
	Elective	2
	TOTAL	17

Senior Year

Fall Quarter			*Quarter Hours*
MRS	401.	Fundamentals of Medical Science I	5
MRS	410.	Theory of Medical Record Science III	6
MRS	420.	Organization and Administration III	3
MRS	422.	Legal Aspects of Medical Records	3
MRS	440.	Directed Experience III	1
		TOTAL	18

Winter Quarter			
MRS	402.	Fundamentals of Medical Science II	5
MRS	411.	Theory of Medical Record Science IV	3
MRS	421.	Organization and Administration IV	3
MRS	430.	Data Processing Systems I	3
MRS	441.	Directed Experience IV	1
		TOTAL	15

Spring Quarter			
MRS	425.	Director's Seminar	3
MRS	431.	Data Processing Systems II	6
MRS	442.	Directed Experience V	5
		TOTAL	14

COURSE DESCRIPTIONS

ANM 320, 321. Human Anatomy and Physiology. *10 quarter hours (5, 5).*

A course in human anatomy and physiology designed especially to meet the needs of students in the allied health sciences consisting of lectures and laboratory activities.

STA 301. Elementary Medical Statistics. *3 quarter hours.*

Basic statistical principles, sampling, classification of data, classification of types of studies, interpretation and methods of presentation of medical information.

END 472. Principles of Genetics. *Second quarter, 1 quarter hour.*

Demonstrations of the principles of human heredity. *Dr. Byrd and staff.*

MRS 301. Medical Terminology. *5 quarter hours.*

The analysis, meaning and use of terms related to all areas of medical science, hospital services and health related fields.

MRS 301A. Medical Terminology. *3 quarter hours.*

A study of medical terms related to all medical science, hospital services and health related specialties taught as a part of MRS 301.

MRS 309. Orientation to the Hospital Environment. *1 quarter hour.*

An introduction of the new student to a new environment through lectures, discussions and observations.

MRS 319. Fundamentals of Management. *3 quarter hours.*

A study of the fundamental principles of management with emphasis on leadership, decision making and interpersonal relations.

MRS 310, 311, 410, 411. Theory of Medical Record Science. *20 quarter hours (5, 6, 6, 3 respectively).*

Theory of record keeping in medical care institutions; securing analysis and preservation of records; coding and indexing medical information; research techniques. Laboratory practice for proficiency.

MRS 320, 321, 420, 421. Organization and Administration. *12 quarter hours (3, 3, 3, 3 respectively).*

A study of the organization patterns in hospitals, clinics and community health agencies, medical staff organization, principles and practices essential to the efficient administration of a medical record department, professional relationships, development of standard procedures, functions and techniques of supervision and human relations. Laboratory practice for proficiency.

MRS 340, 341, 440, 441, 442. Directed Experience. *10 quarter hours. (1, 2, 1, 1, 5 respectively).*

Supervised learning experience through which the student develops insight, understanding and skill in record keeping in hospitals and other medical institutions. The student

learns to deal with problems of department and personnel management, accepts responsibilities for certain jobs in the medical record department, gains experience in working with professional and non-professional groups in a health agency and recognizes the need for preservation of the confidentiality of medical information.

MRS 401, 402. Fundamentals of Medical Science. *10 quarter hours (5, 5).*

An introduction to medical science including study of nature and cause of disease, treatment and management of patients presented by physicians representing all of the major clinical areas of medicine.

MRS 422. Legal Aspects of Medical Record Science. *3 quarter hours.*

Principles of law affecting health records; rights of persons requiring information from medical records; medico-legal problems; court procedures; principles of ethics; management of release of information from hospital medical records.

MRS 425. Director's Seminar. *3 quarter hours.*

Seminar on situations encountered in medical record departments in hospitals, clinics, and other medical facilities.

MRS 430. Data Processing Systems I. *3 quarter hours.*

Theory of hospital, medical and vital statistics with review of basic mathematical principles employed and an introduction to units used in processing data, to include methods and procedures of manual and electronic means. Basic principles of flow charting for data handling and fundamentals of machine application with emphasis on electronic computers and auxiliary equipment.

MRS 431. Data Processing Systems II. *6 quarter hours.*

Practical application of principles and procedures presented in MRS 430.

POSTBACCALAUREATE PROFESSIONAL TRAINING IN MEDICAL RECORD SCIENCE

Special arrangements may be made for those having degrees who wish to take the professional training program, provided they meet certain basic courses prerequisites.

SPECIAL FEES AND EXPENSES

The student should make provision for living expenses for one month while on assignment to hospitals outside the

city of Augusta. Students are encouraged to attend professional meetings for which they will bear the expense of travel, room and board, and registration fee. Such meetings do not usually last more than two days.

FINANCIAL ASSISTANCE

The American Medical Record Association has limited funds for loans to students in this program. Information may be secured from the office of the Chairman of the Department of Medical Record Science.

MEDICAL TECHNOLOGY

Chairman: Shepeard.

Faculty: A. Anderson, Kangelos, G. Rinker, Winningham.

The Medical College of Georgia School of Allied Health Sciences offers a program leading to the Bachelor of Science degree in Medical Technology. In this program the student may attend any accredited college for the freshman and sophomore years, following the prescribed curriculum.

During the sophomore year the student should apply for transfer to the Medical College. If accepted, the student transfers to the Augusta campus at the beginning of the junior year. The number of students accepted is governed by the general admission policies of the Medical College and the regulations of the Board of Schools of Medical Technology (ASCP-ASMT).

The program for the junior and senior years includes courses in the liberal arts and sciences as well as the practical and theoretical aspects of the various disciplines related to diagnostic procedures in hospital laboratories.

OBJECTIVES

Medical technology is important because it permits the physician to make more definitive and precise diagnoses. The primary objective of this academic program is to train capable young people in the philosophy and methodology of the field of medical technology in order that this discipline may be effectively manned by knowledgeable and skilled personnel. It is hoped also that some of these people will be inspired to acquire graduate degrees and become teachers and leaders in medical technology.

SPECIAL FINANCIAL ASSISTANCE

In the senior year, medical technology students are paid a stipend of $100 per month.

ACCREDITATION

The Medical Technology program is approved by the Council on Medical Education of the American Medical Association in collaboration with the Commissioner of Medical Technology and with the Board of Schools of Medical

Technology of the American Society of Clinical Pathologists.

Graduates are eligible for examination by the Registry of Medical Technologists of the American Society of Clinical Pathologists, the only official national certifying agency approved by organized medicine and so recognized by accredited colleges.

TOTAL REQUIREMENTS FOR B.S. DEGREE

	Quarter Hours
Humanities (English)	20
Including, but not limited to grammar, composition, and literature (English, French, German, Italian, Spanish, or Russian)	
Mathematics	10
Sciences	60
A. Chemistry	25-30

Courses from the following:
- General Chemistry I - II
- Quantitative Analysis
- Qualitative Analysis
- Organic Chemistry I - II
- Biochemistry

B. Biology 25-30

Courses from the following:
- Cell and Molecular Biology
- Anatomy
- Physiology
- Zoology, invertebrate, vertebrate
- Bacteriology
- Parasitology
- Mycology
- Histology
- Histologic Technique
- Genetics
- Ecology
- Comparative Anatomy
- Instrumentation - Medical Terminology

C. Physics 5

Social Sciences 30-35
- Political Science*
- American History* and:
  - Four courses from:
    - Anthropology
    - Economics
    - Geography
    - History
    - Philosophy
    - Psychology
    - Sociology
    - Fine Arts

*All applicants must satisfy the U.S. and Georgia History and Constitution requirements by examination or by taking the courses. See page GI 31. If these requirements are met by examination, 5 - 15 additional hours of electives are substituted.

	Quarter Hours
Free Electives	15-20
These will vary as needed to meet (1) minimum of 195 hours (2) all residence and senior division requirements (3) any scholastic requirements, such as raising the academic average.	
Medical Technology Courses	60-66
Clinical Chemistry	
Clinical Microbiology	
Medical Technology Seminar	
Immunohematology Related to Transfusion Service	
Clinical Hematology	
Special Procedures	
Directed Individual Study	
Total Academic Hours (minimum)	195

REQUIREMENTS FOR ADMISSION

The applicant may attend any accredited college or university of his choice for the freshman and sophomore years. Admission and academic requirements of the Medical College must be met. If accepted, the student transfers to the Medical College at the beginning of the third year. Other requirements, in addition to general admission listed on pages GI 23-25, include:

1. Submission of application forms, preferably two months before registration day.
2. A personal interview with the Chairman, or other designated faculty members.
3. The curriculum for the freshman and sophomore years showing a minimum of 90 quarter hours (exclusive of Physical Education) of acceptable work, including the following courses:

	Quarter Hours
Humanities and English	20
Sciences	45-50
Chemistry	15-20
Biology	15-20
Mathematics	10
Physics	5
Social Science	5-15
Political Science	
American History	
Free Electives	5-10
Total	90

CURRICULUM

Courses in liberal arts will continue during the junior year in cooperation with Augusta College.

The Council on Medical Education and Hospitals of the American Medical Association requires twelve months of instruction in hospital training in the various disciplines related to diagnostic procedures. Therefore, the senior year for medical technology students consists of four full academic quarters.

Junior Year	*Quarter Hours*
Chemistry. Courses from the following	5-10
CHM 103. General Qualitative Analysis	
CHM 245. Basic Organic Chemistry and Biochemistry	
CHM 281. Quantitative Inorganic Analysis	
CHM 341. Organic Chemistry I	
CHM 342. Organic Chemistry II	
Biology. Courses from the following	10-15
BIO 201. Invertebrate Zoology	
BIO 202. Vertebrate Zoology	
BIO 211. Introduction to Microbiology	
BIO 301. Cell and Molecular Biology	
BIO 302. Genetics and Development	
BIO 312. Comparative Vertebrate Anatomy	
BIO 314. Principles of Physiology	
BIO 315. Histology	
ANM 320. Anatomy and Physiology	
ANM 321. Anatomy and Physiology	
MRS 301A. Medical Terminology	
MTC 362. Instrumentation	
Social Sciences. Courses from the following	10-15
Philosophy	
History	
Geography	
Sociology	
Psychology	
Fine Arts	
Anthropology	
Economics	
Electives	5-15

Senior Year	
MTC 440. Clinical Chemistry	15
MTC 441. Clinical Chemistry	3
MTC 448. Microbiology	16
MTC 472. Immunohematology Related to Transfusion Service	10
MTC 481. Hematology	13
MTC 484. Special Procedures	0
MTC 493. Medical Technology Seminar	1
MTC 494. Directed Individual Study	0-5

COURSE DESCRIPTIONS

MRS 301A. Medical Terminology. *3 quarter hours.*

A study of anatomy and terms related to all medical science, hospital services and health related specialties, taught as a part of MRS 301 by the Department of Medical Record Science.

MTC 362. Instrumentation. *2 quarter hours.*

A course in laboratory instrumentation covering the working principles of those instruments used in laboratory medicine.

MTC 440 & 441. Clinical Chemistry. *15-3 quarter hours.*

A transition from basic chemistry to chemistry as applied to medicine. Fundamental concepts as they pertain to colloids in physical chemical concepts in relation to carbohydrates, fats, and proteins. Methodolgy of examination of body fluids secretions and excrements including basic analysis and microscopic examination of urine and the use of these as a diagnostic tool.

MTC 448. Clinical Microbiology. *16 quarter hours.*

Distribution and nature of pathogenic microorganisms; mechanism of transmission, pathogenesis; means of control or prevention; methods of isolation and identification as well as related serological methods. Includes bacteria, fungi, and parasites. Theoretical and practical knowledge is increased by preceptorship, the students working with materials and problems related to the services and functions of the division. Included is practical experience in mycology, bacteriology, parasitology, agglutination, and immunological procedures that are applicable to the identification of organisms or clinical entities other than those related to blood banking.

MTC 472. Immunohematology Related to Transfusion Service. *10 quarter hours.*

A basic outline of immunogenetics, the fundamentals of antigen-antibody reactions, and a survey of the various blood group systems as they relate to medicine with practical experience and personal instruction in all aspects of blood banking, including donor room experience from the interviewing of donors to the proper drawing of a unit of blood. In the preparation areas, the proper procedures and controls in the preparation of a unit of blood for distribution to the crossmatching line are taught. In problem assignments

students learn how to approach the identification of an unknown antibody, the titering of antibodies, and how to work toward the identification of an unknown blood group.

MTC 481. Clinical Hematology. *13 quarter hours.*

Introduction to fundamental principles of formation, fluidity and coagulation of the blood with practical experience in the theories and problems of hemoglobinometry from the standardization of the instruments to bench work. Practical experience is given in the identification of various cell types. Experience is gained in recognizing abnormal cells as they appear in smears from patients with blood dyscrasias. The automatic instruments of pipetting and cell counting are used to gain familiarity with their use and the theory of the principles upon which they are based. In coagulation, students take part in the team that does the various battery of tests to elucidate the problem of abnormal bleeding or those done to control therapy.

MTC 484. Special Procedures. *No credit.*

Three activities are undertaken in this course. (a) The principles and practices in the use of the electrocardiography. (b) Discussions of principles of basal metabolism. (c) Basic theories of preparation, sectioning and staining of tissue.

MTC 494. Directed Individual Study. *0-5 quarter hours. Credit to be arranged.*

REQUIREMENTS FOR GRADUATION

All students must satisfactorily complete all course and laboratory requirements in the Medical Technology program.

OTHER PROGRAMS

The program in Medical Technology, offered by the Medical College of Georgia in conjunction with the University of Georgia, will continue as follows:

Following satisfactory completion of 165 quarter hours of prescribed work at the University, the student will spend the following twelve months at the Medical College, registering for classes at the beginning of any quarter. After acceptable completion of a year's study on the medical campus, the student returns to Athens to receive his degree of Bachelor of Science with a major in Medical Technology.

RADIOLOGIC TECHNOLOGY

Chairman: C. H. Hall

Medical Director: M. Brown

Faculty: Dixon, Lurey

The Medical College of Georgia offers the following programs in Radiologic Technology:

(1) A four year course combining college credits with practical experience and leading to a Bachelor of Science degree in Radiologic Technology. After approximately three years, these students are eligible to take the national certification examination given by the American Registry of Radiologic Technologists.

(2) A three year course open to registered technologists and offering a Bachelor of Science degree in Radiologic Technology. Applicants may be granted 30-45 quarter hours of credit, dependent upon experience, and production of their Radiologic Technology certificate. Satisfactory completion of a validation examination will exempt the student from Radiology courses numbering 101, 102, 103, 201, 202, 203, 301, 302, 303, or those courses in which the student has previously demonstrated a thorough proficiency by experience and examination.

(3) A two year program for high school graduates leading to certification as a registered Radiologic Technologist but without college credits.

Students enrolling in the degree program follow a course combining scholastic studies at Augusta College and highly specialized on-the-job training within the Department of Radiology at the Medical College of Georgia. The prevailing academic standards at both these institutions must be met.

All radiologic courses closely follow the recommendations set forth in the curriculum and Teachers Syllabus for Schools of Radiologic Technology, published by the American Society of Radiologic Technologists.

OBJECTIVES AND ACCREDITATION

The rapid technological advances in diagnostic and therapeutic radiology and in nuclear medicine during the past ten years demand a greater need for technologists with a broader background than can be obtained in a two year certificate

training program. To fill this need, the Medical College of Georgia has inaugurated new programs for qualified high school students leading to the Bachelor of Science degree in Radiologic Technology. The program has approval of the Commission on Technician Affairs of the American Medical Association and of the American Registry of Radiologic Technologists. Graduates of all programs are eligible for examination by the Registry and subsequent certification. Graduates of programs (1) and (2) will be awarded Bachelor of Science degrees.

SPECIAL FEES AND EXPENSES

No matriculation or tuition fee is required of students in the two year certificate program. Students provide for their own living quarters, meals, and uniforms. Women students may live in the college residence quarters. Required books will cost approximately $40, and a fee is charged for student activities and student health service. To offset some of these expenses, technicians in training receive the following annual stipends in return for the hospital services they provide according to their level of radiographic experience and upon condition that their performance is satisfactory:

First year	$ 450.00
Second year	1,050.00
Third year (degree program only)	1,200.00
Fourth year (degree program only)	1,200.00

REQUIREMENTS FOR ADMISSION

See pages GI 23-25 for undergraduate admission requirements and the application procedures. The Radiologic Technology program complies with all polices, standards and procedures established by the American Registry of Radiologic Technology.

Preference will be given those applicants who have demonstrated superior academic ability particularly in scientific subjects.

CURRICULUM

	Quarter Hours
College English 101, 102	10
Humanities 221, 222	10
College Math 101, 102	10
*History 211 or 212	5

*Political Science 101	5
Physical Education (3 quarters)	0
Education 304	5
Science (select four)	20
Physics 201, 202, 203	
Chemistry 101, 102, 103, 245	
Biology 101, 102, 111, 112	
Anatomy 320, 321	
Social Science (Select three)	15
Business 101	
Economics 101	
Speech 101	
Psychology 101	
Philosophy 101, 301	
Sociology 101	
Western Civilization 115, 116	
General Electives	10
Radiology 101, 102, 103	15
Radiology 201, 202, 203	15
Radiology 301, 302, 303	15
Radiology 401,402, 403	15
Radiology 431	5
Radiology 451	5
Radiology 452	5
Radiology 470	5

Further electives from the following or other courses suggested by advisor:

Radiology 441	
Radiology 461	
Medical Record Science 401, 402	
Genetics 472	
Statistics 301	
	10
TOTAL	180

*Electives may be substituted for these courses if these requirements have been met by the exemption examinations on the history and Constitutions of the United States and Georgia.

COURSE DESCRIPTIONS

RAD 101, 102, 103. Radiologic Technology.

Consisting of one class period and three hours of practical work per day spaced over three quarters and covering the

history, art, and science of practical radiography at an introductory level.

The subject matter consisting of:

1) Radiological Positioning
2) Radiological Terminology
3) Radiological Anatomy
4) Radiologic Film Critique
5) Radiological Techniques
6) Practice in simple radiography and an introduction to radiation therapy.

RAD 201, 202, 203. Radiologic Technology.

A continuation at the second year level of courses 101, 102, 103 with practice in more advanced radiographic procedures and covering all subject matter in preparation for the national registry examination.

RAD 301, 302, 303. Radiologic Technology.

This course consists of Radiologic Technology at the advanced level including special procedures, serialography and cine techniques, together with an introduction to nuclear medicine techniques. Stress is laid on public relations and radiation safety.

RAD 401, 402, 403. Radiologic Technology.

A continuing study of radiographic techniques at a high level, but with an opportunity to specialize in radiation therapy, isotope technology, teaching or departmental management.

RAD 431. Advanced Radiologic Physics. *5 quarter hours.*

This course is taught jointly to radiology residents and degree students in Radiologic Technology. It covers radiation physics, radiation therapy, dosimetry, and radiation protection.

RAD 451. Radiologic Sensitometry Laboratory. *5 quarter hours.*

Laboratory measurements and written reports on film latitude, speed, gamma. The validity of the reciprocity law and the resolving power and exposure time with screens are demonstrated by student experiments.

Elective Courses Available to Students

RAD 441, 442, 443. Radiation Therapy. *5 quarter hours.*

Students would be assigned to the department of radiation therapy and would there continue their studies in the areas

of field planning, dosage calculation, x-ray beam filtration, radiation absorption in tissue, measuring instruments and methods employed in radiation therapy.

RAD 452. Nuclear Medicine Laboratory. *5 quarter hours.*

Basic laboratory experiments using geiger counters, gamma spectrometers and other detecting equipment to illustrate the use of radioactive isotopes in nuclear medicine and their relationship to clinical medicine and diagnostic techniques.

RAD 461, 462, 463. Medical Isotope Techniques.
5 quarter hours.

The subjects covered would include types of isotopes, their storage and handling. Studies would also include methods of application and measurement and also the handling of patients undergoing treatment or measurement. The safe disposal of radioactive waste material and protection of the general public constitute part of the course.

RAD 470. Medical Photography. *5 quarter hours.*

Theory, demonstration, and practice of basic techniques of medical photography with emphasis on the relationship to Radiologic Technology.

NUCLEAR MEDICINE

For students interested in the study of Nuclear Medicine, the Department of Radiologic Technology has initiated a program consisting of a year's specialized training in this field.

Admission Requirements

To qualify for entrance into this program, a student must be eighteen years of age and in good health. He must be a graduate of an approved high school and be registered by the American Society of Radiologic Technologists or the Registry of Medical Technologists (ASCP). An applicant may also be a registered nurse or have completed two years of college credits with emphasis on science subjects.

Duration of Training

The course consists of twelve months including 300 classroom hours and a minimum of 1,500 hours clinical experience. Classes begin in September of each year with graduation the following August. Students are then eligible to take the certification examination for Nuclear Medicine.

Curriculum

		Clock Hours
A.	Introduction	2
B.	Review of Mathematics	30
C.	Atomic Structure of Matter	10
D.	Interactions of Radiations with Matter	35
E.	Radioactivity	20
F.	Radiation Detection	10
G.	Radiation Protection	20
H.	Instrumentation	25
I.	Basic Laboratory Methods	10
J.	Anatomy & Physiology Applied to Nuclear Medicine	25
K.	Clinical Procedures	60
L.	Reports and Record Keeping	3
M.	Clinical Laboratory	1,750
	TOTAL	2,000

REQUIREMENTS FOR GRADUATION

The faculty of the Department of Radiologic Technology make recommendations for graduation based upon a student's ability to develop those qualities considered essential to the profession.

PROGRAM IN HOSPITAL AND MEDICAL SYSTEMS

Director:	Harold E. Smalley
Assistant Director:	James B. Mathews
Staff:	Richard M. Bramblett, William G. Sullivan, David D. Garrison, Johnny N. Johnson, James L. Oakes, Dillard C. Marshall, Daniel F. Conley.

The Program in Hospital and Medical Systems (PHMS), administered jointly by the Medical College of Georgia and the Georgia Institute of Technology, is designed to meet educational needs, to pursue research, and to provide services within the interdisciplinary field concerned with improvements in the management of health services and health education through industrial and systems engineering, operations research, and management science.

As an organizational division of the Medical College, reporting to the President, PHMS currently provides systems engineering staff services to the Schools of Medicine and Dentistry, the Eugene Talmadge Memorial Hospital, and other divisions. The professional staff of PHMS is engaged in various research projects related to health facilities planning, health manpower, and systems for the delivery of health care. It also conducts training courses and seminars for MCG faculty, staff, and students as a means of promoting the systems approach to problems in health education, research, and delivery.

Through its affiliation with the Health Systems Research Center, and in cooperation with the School of Industrial and Systems Engineering at the Georgia Institute of Technology, the PHMS staff conducts credit courses and serves on thesis advisory committees of Georgia Tech graduate students who are engaged in health-related master's and doctoral research while in residence at the Medical College. PHMS also participates in the planning of interinstitutional health-systems programs expected to involve other divisions at the Medical College, Georgia Tech, Georgia State University, and various other academic and health institutions and agencies throughout Georgia.

DOCTOR OF PHILOSOPHY

John Bryant Black, Jr. ..... Augusta
Bruce Dale Goldman ..... Gary, Ind.
Bobby Kenneth Roper ..... Augusta

DOCTOR OF MEDICINE

Lawrence Moody Alligood, Jr. ..... Douglas
(Intern: Eugene Talmadge Memorial Hospital, Augusta, Ga.)

Riley Bruce Ash, Jr. ..... Cedartown
(Intern: Greenville General Hospital, Greenville, S.C.)

James Camp Baggett, Jr. ..... Douglasville
(Intern: Spartanburg General Hospital, Spartanburg, S.C.)

Donald Ervin Baxter ..... Atlanta
(Intern: Hermann Hospital, Houston, Texas)

James Lewis Bean, Jr. ..... Norcross
(Intern: Macon Hospital, Macon, Ga.)

Jarrette Allen Beck, Jr. ..... Augusta
(Intern: Spartanburg General Hospital, Spartanburg, S.C.)

Stephen Boyle ..... Augusta
(Intern: U.S. Naval Hospital, Portsmouth, Va.)

Edward Wood Brewster, Jr. ..... Augusta
(Intern: Baylor University Medical Center, Dallas, Texas)

Robert Taylor Buchanan ..... Atlanta
(Intern: Parkland Memorial Hospital, Dallas, Texas)

James Estes Bush ..... Macon
(Intern: Charity Hospital, New Orleans, La.)

William Edward Bush ..... Colquitt
(Intern: Eugene Talmadge Memorial Hospital, Augusta Ga.)

A. Douglas Calhoun ..... Macon
(Intern: City of Memphis Hospital, Memphis, Tenn.)

Dan Kent Chalker ..... Gibson
(Intern: Eugene Talmadge Memorial Hospital, Augusta, Ga.)

Alfred Olin Colquitt, III ..... Marietta
(Intern: Grady Memorial Hospital, Atlanta, Ga.)

Thomas Walker Cowan, III ..... Atlanta
(Intern: Strong Memorial Hospital, Rochester, New York)

Harry Eugene Dawson, Jr. ..... Adairsville
(Intern: Memorial Medical Center, Savannah, Ga.)

Alfred Valave Dell'Ario ..... Albany
(Intern: Macon Hospital, Macon, Ga.)

Henry Clark Deriso, Jr. ..... Leslie
(Intern: North Carolina Baptist Hospital, Winston-Salem, N.C.)

Jimmy Lenon Dixon ..... Waycross
(Intern: Macon Hospital, Macon, Georgia)

Sammie Daniels Dixon ..... Fitzgerald
(Intern: Greenville General Hospital, Greenville, S.C.)

James Edward Ford, III ..... Atlanta
(Intern: Tampa General Hospital, Tampa, Fla.)

John Jackson Freeman ..... Dunwoody
(Intern: City of Memphis Hospital, Memphis, Tenn.)

Charles Frank Friedman ..... Atlanta
(Intern: Boston Veterans Administration Hospital, Boston, Mass.)

Thompson Alfred Gailey, Jr. ..... Elberton
(Intern: Greenville General Hospital, Greenville, S.C.)

William Henry Gainey ..... Atlanta
(Intern: University of Kentucky Medical Center, Lexington, Kentucky)

Henry Tucker Gilbert, III ..... Athens
(Intern: North Carolina Baptist Hospital, Winston-Salem, N.C.)

Stewart Dixon Gilbert ..... Hiawassee
(Intern: Spartanburg General Hospital, Spartanburg, S.C.)

John Phillip Gingrey ..... Augusta
(Intern: Grady Memorial Hospital, Atlanta, Ga.)

Johnny Randall Glenn ..... Statham
(Intern: Spartanburg General Hospital, Spartanburg, S.C.)

Howard Aubrey Griffin, Jr. ..... Washington
(Intern: Spartanburg General Hospital, Spartanburg, S.C.)

Jefferson Daniel Hanks, Jr ..... Rome
(Intern: Eugene Talmadge Memorial Hospital, Augusta, Ga.

John Avery Hardin ..... Maysville
(Intern: Strong Memorial Hospital, Rochester, N. Y.)

George Seaborn Heath ..... Waycross
(Intern: Memorial Medical Center, Savannah, Ga.)

Hugh Oscar Hodges ..... Sandersville
(Intern: Chatham County Memorial Hospital, Savannah, Ga.)

William Daniel Holsonback ..... Augusta
(Intern: Tampa General Hospital, Tampa, Fla.)

Morris William Hutcheson ..... Swainsboro
(Intern: University of Kentucky Medical Center, Lexington, Ky.)
James William Jackson ..... Lilburn
(Intern: Memorial Medical Center, Savannah, Ga.)
Jerome Edwin Jennings ..... Hawkinsville
(Intern: Eugene Talmadge Memorial Hospital, Augusta, Ga.)
James Young Jones ..... Stone Mountain
(Intern: Spartanburg General Hospital, Spartanburg, S.C.)
Marion Harvey Jordan, Sr. ..... Carrollton
(Intern: Tampa General Hospital, Tampa, Fla.)
Stephen Marion Jordan ..... Statesboro
(Intern: Tampa General Hospital, Tampa, Fla.)
Jimmy Cash Judy ..... Waynesboro
(Intern: Memorial Medical Center, Savannah, Ga.)
Lyle Alan Kaliser ..... Atlanta
(Intern: Grady Memorial Hospital, Atlanta, Ga.)
Robert Earl Kelley, Jr. ..... Columbus
(Intern: Jackson Memorial Hospital, Miami, Fla.)
Thomas Russell Kitchens ..... Decatur
(Intern: Charlotte Memorial Hospital, Charlotte, N.C.)
Gilbert South Klemann ..... Augusta
(Intern: University of Kansas Medical Center, Kansas City, Kansas)
Willis Elliott Lanier ..... Cobbtown
(Intern: Macon Hospital, Macon, Ga.)
William Powell Lawrence ..... Cordele
(Intern: University Hospital, Augusta, Ga.)
George Edward Linney, Jr. ..... Augusta
(Intern: University of Virginia Hospital, Charlottesville, Va.)
James Tarver Lowe, Jr. ..... Macon
(Intern: Duke University Medical Center, Durham, N.C.)
Jabez Orion Marshall ..... Evans
(Intern: Hermann Hospital, Houston, Texas)
James Stuart McDaniel ..... Atlanta
(Intern: Grady Memorial Hospital, Atlanta, Ga.)
James Emory McKinney ..... Cordele
(Intern: Eugene Talmadge Memorial Hospital, Augusta, Ga.)
Frank Faison Middleton, III ..... Albany
(Intern: Parkland Memorial Hospital, Dallas, Texas)
James Wilbur Mimbs ..... Milledgeville
(Intern: Eugene Talmadge Memorial Hospital, Augusta, Ga.)

Michael Jennings Murphy ..... Augusta
(Intern: City of Memphis Hospital, Memphis, Tenn.)
Elmer Anthony Musarra, II ..... Marietta
(Intern: Georgia Baptist Hospital, Atlanta, Ga.)
William Lawrence Nicholson ..... Athens
(Intern: Santa Barbara Cottage Hospital,
Santa Barbara, Calif.)
Charles Ware Nixon, Jr. ..... LaGrange
(Intern: Parkland Memorial Hospital, Dallas, Texas)
Daniel Walker Nixon ..... Alma
(Intern: Eugene Talmadge Memorial Hospital,
Augusta, Ga.)
Richard Weston Noble ..... Athens
(Intern: St. Mary's Hospital & Medical Center,
San Francisco, Calif.)
Richard Lamar Nutt, Jr. ..... Valdosta
(Intern: Jackson Memorial Hospital, Miami, Fla.)
Edward Eaton Palmer, Jr. ..... Augusta
(Intern: Macon Hospital, Macon, Ga.)
Joel Floyd Parker ..... Pine Mountain
(Intern: Grady Memorial Hospital, Atlanta, Ga.)
Franklin Edward Payne, Jr. ..... Powder Springs
(Intern: Tripler General Hospital, Honolulu, Hawaii)
Henry Alan Perry ..... Baldwin
(Intern: University of Alabama Hospital,
Birmingham, Ala.)
Gary Dayle Peterson ..... Rossville
(Intern: Baroness Erlanger Hospital, Chattanooga, Tenn.)
James Chandler Pope ..... Carrollton
(Intern: City of Memphis Hospital, Memphis, Tenn.)
Jerry Charles Robinson ..... Carrollton
(Intern: Spartanburg General Hospital,
Spartanburg, S.C.)
Raleigh Willis Rollins ..... Bainbridge
(Intern: City of Memphis Hospital, Memphis, Tenn.)
James Larry Sanders ..... Atlanta
(Intern: Eugene Talmadge Memorial Hospital,
Augusta, Ga.)
Randall Kenneth Sather ..... Atlanta
(Intern: Parkland Memorial Hospital, Dallas, Texas)
Andrew Thomas Sheils, Jr. ..... Columbus
(Intern: City of Memphis Hospital, Memphis, Tenn.)
Robert Edward Lee Shirley, II ..... Atlanta
(Intern: Eugene Talmadge Memorial Hospital,
Augusta, Ga.)
Walter Wright Simpson ..... Tifton
(Intern: Macon Hospital, Macon, Ga.)

Walter Aldine Smith, Jr. ..... Atlanta
(Intern: University of Oregon Medical School Hospital, Portland, Oregon)
John Louis Spear ..... Columbus
(Intern: Memorial Medical Center, Savannah, Ga.)
Paul Eugene Stanton, Jr. ..... Atlanta
Intern: Tampa General Hospital, Tampa, Fla.)
Paul Gresham Story ..... Waynesboro
(Intern: Fitzsimons General Hospital, Denver, Colo.)
Barry Lane Thompson ..... Decatur
(Intern: Eugene Talmadge Memorial Hospital, Augusta, Ga.)
Ronald Lloyd Tomlinson ..... Metter
(Intern: Macon Hospital, Macon, Ga.)
Charles Rhodric Veazey ..... Rossville
(Intern: Eugene Talmadge Memorial Hospital, Augusta, Ga.)
Philip Ronald Veazey ..... Rossville
(Intern: Eugene Talmadge Memorial Hospital, Augusta, Ga.)
Albert Martin Wall, III ..... Savannah
(Intern: University of Pennsylvania Hospital, Philadelphia, Penn.)
Robert Wayne Walter ..... Augusta
(Intern: Baylor University Medical Center, Dallas, Texas)
Morgan Newman Whaley ..... Augusta
(Intern: Tampa General Hospital, Tampa, Fla.)
Franklin George Woo ..... Augusta
(Intern: Hermann Hospital, Houston, Texas)
Gary Morgan Wright ..... Atlanta
(Intern: University of Kentucky Medical Center, Lexington, Kentucky)
Randolph Martin York ..... Albany
(Intern: Duke University Medical Center, Durham, N.C.)

MASTER OF SCIENCE

Julia Fields Agee ..... Augusta
Lydia Sue Corrill ..... Loveland, Ohio
Maurice Robert Miot ..... Lyons
Mary Nell Carbo Story ..... Forest Park
John Allen Strickland ..... Douglas
Gordon Livingston Todd ..... North Augusta, S.C.

MASTER OF SCIENCE IN NURSING

Betty Morris Golden ..... Augusta
Margie Dell Pitts ..... Augusta
Eleanor Morris Stringer ..... Aiken, S.C.

MASTER OF SCIENCE IN MEDICAL ILLUSTRATION

Mary Elizabeth Brown	Greenville, S.C.
Patsy Ann Bryan	McKinney, Texas
David Joseph Mascaro	New Rochelle, N.Y.
Janet Warner Sanders	Macon

BACHELOR OF SCIENCE IN MEDICAL ILLUSTRATION

Donald Eugene Biggerstaff	Charlotte, N.C.
Steven Joseph Harrison	Lewes, Del.
Karen Louise Waldo	Palos Verdes Est., Calif.
William Bernard Westwood	Albany

BACHELOR OF SCIENCE IN MEDICAL RECORD SCIENCE

Mary Elizabeth Farr	Augusta
Muriel Herrera	Jacksonville, Fla.
Willa Dale Meeks	Cartersville
Mary Jean Morton	Dublin
Judith Ann Ratts	Miami, Fla.
Caroline Paige Taylor	Jacksonville, Fla.

BACHELOR OF SCIENCE IN MEDICAL TECHNOLOGY

Jane Tumlin Catrett	Augusta
Ronald Rudolph Crook	Reynolds
Carla DeVaughn Dickson	Augusta
Patricia Diane Edwards	Conyers
June Ellerbee	Thomaston
Glenda Carolyn Frost	Barnesville
Linda Hambrick Fuller	Avondale Estates
Margaret Anne Greene	Tifton
Lynda Faye Havard	Columbus
Marianne Harris Lennard	Sandersville
Lavinia Fay Lindley	Powder Springs
Sarah Riley McMath	Lyons
Johnnie Lindell Medders	Jacksonville, Fla.
Carolyn Rinker	Augusta
Barbara Ann Rinn	Carrollton
Anne Gresham Rogers	Petersburg, Va.
Linda Rochelle Sachs	Atlanta
William Douglas White	Mitchell

BACHELOR OF SCIENCE IN NURSING

Dorothy Ann Beckley	Smyrna
Ruth Ann Bennett	Savannah
Donna Snyder Brown	Atlanta

Patricia Carter	Waycross
Beverly Jean Causey	Conway, S.C.
Patricia Nethery Connell	Trenton
Linda Gail Copeland	Abbeville, S.C.
Judy Kent Davidson	Augusta
Jeannine Collins DeGeorge	Decatur
Kathryn Noe Donovan	Decatur
Sandra Mobley Edenfield	Waynesboro
Brooks Miller Ford	North Augusta, S.C.
Gail Petra Fuse	Augusta
Elizabeth Adelaide Gilmore	Stockbridge
Mary Elizabeth Chance Goddard	Decatur
Susan Henrietta Gray	Columbus
Marsha Ann Harris	Americus
Helen Atwood Hendricks	Waycross
Nancy Vaughn Hicks	Atlanta
Jean Richards Holley	McBean
Mary Lynn Holley	Decatur
Phyllis Ann Johnson	St. Petersburg, Fla.
Sarah Elizabeth Kassinger	Athens
Linda Kay Klapman	West Columbia, S.C.
Shirley Ann Kotlarz	Atlanta
Virginia Edith Levesque	Harmony, R. I.
Frances Virginia Mariotti	LaGrange
Nancy Gosdin Meabon	Columbus
Marjorie Ann Meeks	Macon
Janette Hearn Miller	North Augusta, S.C.
Nancy Elizabeth Morton	Atlanta
Margaret Katherine Murphy	Gainesville
Margaret Frances Nerney	Atlanta
Sara Taylor Nixon	LaGrange
Perla Cataga Paguibitan	Savannah
Linda Christine Ruopp	Albany
Marilyn McClellan Self	Savannah
Margaret Anne Smart	Greenville, S.C.
Rebecca Ann Smith	Nicholls
Esther Littleton Sosebee	Stone Mountain
Joyce Caroyln Suddeth	Colbert
Kathryn Means Suggs	Atlanta
Enda-Maria Blumenthal Tate	Atlanta

Jo Louisa Tebeau	Springfield
Dinah Jeanne Tumlin	Atlanta
Mary Evelyn Warren	Marietta
Judy Ann West	Decatur
Dorothy Lucille Jones (Awarded posthumously)	Rabun Gap

BACHELOR OF SCIENCE IN DENTAL HYGIENE

Joan Roberta Gelfman	Macon
Kristin Leigh Kayler	Ritzville, Wash.
Camille Clements Neville	Atlanta
Jessie Ann Ohme	Augusta
Eleanor Joan Pitts	Griffin
Esther Lechner Roche	Cathlamet, Wash.
Hayden Estes Woodard	Augusta

BACHELOR OF SCIENCE IN RADIOLOGIC TECHNOLOGY

Carol Ann Kirschenheiter	Augusta

The following physicians constitute the Intern and Resident staff of Eugene Talmadge Memorial Hospital.

ANESTHESIOLOGY

	Year of Residency
Davidian, Edward W.	First
Johnston, Joseph F.	First
Ruiz, Mario	First
Whitehead, Robert F.	First
Miller, George T.	Second

DERMATOLOGY

Chotiner, Gerald	First
Herron, Charles B.	First
Stretcher, George S.	First
Irwin, William G.	Second
Boyd, Claude A.	Third
Goodman, Thomas F.	Third
Matthews, Hubert I.	Third
Stubblefield, John C.	Third

MEDICINE

Alligood, Lawrence M.	Intern
Bush, William E.	Intern
Chalker, Dan K.	Intern
Davis, Robert E.	Intern
Duncan, Jackson T., Jr.	Intern
Geer, Charles C.	Intern
Grant, Hugh J., Jr.	Intern
Hanks, Jefferson D., Jr.	Intern
Jennings, Jerome E.	Intern
McCoy, James P.	Intern
Mimbs, James W., Jr.	Intern
Nicholson, David W.	Intern
Nixon, Daniel W.	Intern
Pridgen, Durward B.	Intern
Shirley, Robert E., Jr.	Intern
Spainhour, Jack, B., Jr.	Intern
Thompson, Barry L.	Intern
Veazey, Charles R.	Intern
Veazey, Philip R.	Intern
Watts, Nelson B.	Intern
White, Bruce W., Jr.	Intern
Wolfe, William H.	Intern
Bailey, William M.	First

Blanchard, Lucius, Jr.	First
Drake, James R.	First
House, Frederick, C.	First
Kaplan, Hyman M.	First
Keith, Thomas E.	First
Markham, John C.	First
McLaughlin, Victor W.	First
Owens, Michael R.	First
Thomas, David R.	First
Thompson, Herman O.	First
Woodard, Jerry C.	First
Austin, Frederick D.	Second
Barron, Barney J.	Second
Cundey, David W.	Second
Magruder, Richard L., Jr.	Second
Olliff, Benjamin C.	Second
Pekaar, Robert L.	Second
Sebastin, Augustin	Second
Smith, Robert L.	Second
Speir, William A.	Second
Booker, Bert L.	Third
Gupta, Gautam Das	Third
Marschalk, Frederick F.	Third
Setzer, Edward H.	Third
Martin, George A.	Chief Resident
Chin, Chang-Kon	Fellow
Dawson, Jack E.	Fellow
Miller, Gordon C.	Fellow
Strickland, Avery W.	Fellow
Tucker, Paul C.	Fellow

OBSTETRICS & GYNECOLOGY

Sanders, James L.	Intern
Hydrick, John T.	First
Daitch, Ronald	Second
Freedman, Murray A.	Second
George, William M.	Second
Owen, Ralph G.	Second
Payne, Peter M.	Third
Simmons, Robert G.	Third
Lewis, Robert H.	Fourth
Smith, William V.	Fourth

PATHOLOGY

Newland, Hillery R., Jr.	Second
Maylock, John H.	Third

PEDIATRICS

Thornburg, John G. ..... Intern
Sebastian, Adelaida P. ..... First
Dharmkrong-at, Ayut ..... Fellow

PEDIATRIC CARDIOLOGY

Saied, Abraham N. ..... Fellow
Shaikhly, Issam ..... Fellow

PSYCHIATRY

Jenkins, Chester W. ..... First
Logue, H. Edward ..... First
Rogers, John C., Jr. ..... First
Safer, Irwin H. ..... First
Crouch, Mickey M. ..... Second
McCracken, William C. ..... Second
Hudson, Cecil C. ..... Third
Kibler, James A. ..... Third
Ward, Daniel F. ..... Third

NEUROLOGY

McCants, Rebecca L. ..... First
McCord, James W. ..... First
Abbott, Don C. ..... Third

RADIOLOGY

Freedman, Sandra N. ..... First
Holloway, Wilmer O. ..... First
Laconte, Leonard P. ..... First
Lott, Thomas M. ..... Second
Martin, Charles R. ..... Second
McKinney, Ray L. ..... Second
Berne, Freeman A. ..... Third
Clayton, Edward C. ..... Third
Johnson, Jimpsey B. ..... Third
Myers, James S. ..... Third

SURGERY

Dawson, George R., III ..... Intern
McKinney, James E. ..... Intern
Cohen, Jack H. ..... First
Davis, Larry P. ..... First
Feinstein, Arthur C. ..... First

Garrison, Alton F.	First
Knowles, Van C.	First
McCants, E. Gardner, Jr.	First
Scholl, Kenneth G., Jr.	First
Whittle, Thomas S., Jr.	First
Brown, Dempsey S.	Second
Crowe, John A., Jr.	Second
Henry, Waights G.	Second
Naman, Carl H.	Second
Short, Dwight H., II	Second
Terry, Daniel B.	Second
Tiedeman, Walter P., III	Second
Toyohara, Hiroshi	Second
Bowden, Talmadge A.	Third
Mulkey, Arnold P.	Third
Price, Thomas B.	Third
Seago, Richard W.	Third
Boudet, Robert A.	Fourth
Dixon, Charles E.	Fourth
Morgan, Diskin G.	Fourth
Sanders, Conrad W., Jr.	Fourth
Still, Joseph M., Jr.	Fourth
Thompson, Cleveland	Fourth
Wike, Charles C.	Fourth
Herndon, John R.	Fifth

NEUROSURGERY

Cowan, Morgan A.	First
McAdams, Richard B.	Second
Honda, Haruyoshi	Third
Reynolds, John D., III	Fourth
Mayher, William E.	Fifth

OPHTHALMOLOGY

Greenwald, Herbert S.	First
Willis, Arthur W.	First
Stocks, S. Allan	Second
Newton, John S.	Third
Read, Silas C.	Third

ORTHOPEDICS

Blecher, Kenneth W.	First
Bowman, Robert L.	First
Brand, Robert L.	First
Asbell, Jimmy R.	Second
Clark, William L.	Second
Jackson, James G., III	Second

Collins, Myron D. ..... Third
Glock, Douglas E. ..... Third
Jacobs, Rae R. ..... Third
McGirt, Murphy F., Jr. ..... Third

THORACIC SURGERY

Farhangian, Davood ..... First
Hossain, Zakir ..... First
Martin, Sloan P., Jr. ..... Second
Sreeramaiah, K. M. ..... Second

UROLOGY

Burt, James N. ..... First
Hattaway, James R. ..... First
Butterworth, Jack E., Jr. ..... Second
Hancock, Carl V., Jr. ..... Third
Maloney, G. Rufus ..... Third

ORAL SURGERY

Alexander, John M. ..... Intern
Caton, Randall B. ..... Intern
Bojrab, David G. ..... First
Hancock, Jack H., Jr. ..... First
Blevins, Keith S. ..... Second
Coles, Robert L. ..... Second

Asterisk indicates Graduate Faculty appointment also.

Abbott, Don C., Assistant Professor, Section of Neurology, Department of Psychiatry.
Georgia Teachers College, B.S., Medical College of Georgia, M.D.

***Abdel-Latif, Ata A.**, Associate Professor of Biochemistry.
DePaul University, B.S., M.S.; Illinois Institute of Technology, Ph.D.

Abele, Donald C., Associate Professor of Dermatology and Medicine.
Central Methodist College, B.A.; Washington University Medical School, M.D.

Agostas, William N., Associate Clinical Professor of Medicine.
Augusta College; University of Georgia; Medical College of Georgia, M.D.

***Ahlquist, Raymond P.**, Associate Dean, School of Medicine; Research Coordinator; Professor of Pharmacology; Acting Chairman, Department of Pharmacology.
University of Washington, B.S., M.S., Ph.D.

Akamatsu, Yasuyuki, Assistant Professor of Pathology.
Nara Medical College, M.D.; Osaka University, Ph.D.

***Allen, Lane H.**, Professor of Anatomy.
University of Georgia, B.S., M.S.; Georgetown University, Ph.D.; Medical College of Georgia, M.D.

Allen, Marshall B., Jr., Professor of Surgery; Chief of Neurosurgery.
University of Mississippi, B.S.; Harvard University, M.D.

Alvarez-Mena, Sergio C., Associate Clinical Professor of Medicine.
LaSalle College, B.S.; Matanzas Institute, B.A.; Havanna School of Medicine, M.D.

Anderson, Ann S., Assistant Professor of Medical Technology.
University of Georgia, B.S.; Medical College of Georgia, M.S.

Anderson, Frank P., Jr., Professor of Pediatrics and Community Medicine.
Davidson College, B.S.; Medical College of South Carolina, M.D.

Asokan, Sankaran K., Assistant Professor of Medicine.
All India Institute of Medical Science, M.B.B.S.

Ault, Leilee P., Professor of Medical-Surgical Nursing.
University of Pennsylvania, B.S., M.S.

Aziz, Ezzat M., Instructor in Pediatrics.
W. Middlesex Hospital, London, England, D.C.H.; Shams University, Cairo, Egypt, M.B., Ch.B.

Badger, Walter L., Assistant Clinical Professor of Community Dentistry.
University of Maryland, D.D.S.

Bailey, Henry W., Clinical Instructor in Surgery.
Medical College of Georgia, M.D.

Bailey, Joseph P., Professor of Medicine; Chief of Rheumatology.
Mercer University, B.S.; Medical College of Georgia, M.D.

Bailey, Thomas E., Assistant Clinical Professor of Pediatrics.
Medical College of Georgia, M.D.

***Bard, Raymond C.**, Vice President; Professor of Microbiology; Acting Dean, School of Allied Health Sciences.
College of City of New York, B.S.; Indiana University, A.M., Ph.D.

Barfield, William E., Assistant Professor of Obstetrics-Gynecology.
The Citadel, B.S.; Emory University, M.D.

Barron, Edmund G., Assistant Clinical Professor of Community Dentistry.
University of North Carolina, B.S.; Medical College of Virginia, D.D.S.; University of North Carolina, M.P.H.

Bates, Doris W., Assistant Clinical Professor of Dental Hygiene.
Simmons College, B.S.; Boston University, M.S.

Battey, Alfred M., Jr., Clinical Instructor in Surgery.
University of Georgia, B.S.; Medical College of Georgia, M.D.

Battey, Louis L., Clinical Professor of Medicine.
College of the Holy Cross, B.S.; Medical College of Georgia, M.D.

Bazemore, J. Malcolm, Clinical Professor Emeritus of Medicine.
Medical College of Georgia, M.D.

Beaudreau, David E., Professor and Chairman, Department of Restorative Dentistry.
University of Washington, D.D.S.; University of Pennsylvania, M.S.D.

Becton, James L., Instructor in Surgery (Orthopedics).
Wake Forest College, B.S.; University of Minnesota, M.S.; Medical College of Georgia, M.D.

*__Behal, Francis J.__, Dean, School of Graduate Studies; Professor of Biochemistry and Microbiology.
Saint Edward's University, B.S.; University of Texas, M.A., Ph.D.

Bennett, James W., Associate Professor of Pediatrics.
Medical College of Georgia, M.D.

***Bernard, George R.**, Associate Professor of Anatomy.
Harvard College, A.B.; Boston University, A.M., Ph.D.

***Best, Gary K.**, Assistant Professor of Microbiology.
Southwestern State College, B.S.; Oklahoma State University, Ph.D.

Bhatti, Nazir A., Instructor in Surgery.
Government College, F. Sc.; King Edward Medical College, M.B., B.S.

Bishop, Georgianne, Instructor in Neurology.
Woman's College of Georgia, A.B.; University of Chicago, M.A.

Bittle, C. Robert, Assistant Clinical Professor of Anesthesiology.
Duke University, Bowman Gray School of Medicine, M.D.

Bjork, Renae D., Instructor in Medical Record Science.
Carlton College, B.S.

Blanchard, Thomas W., Instructor in Surgery (Urology).
The Citadel, B.S.; Medical College of South Carolina, M.D.

Blitch, Pierce G., Jr., Assistant Clinical Professor of Medicine.
Emory University, A.B.; Medical College of Georgia, M.D.

Bliven, Floyd E., Jr., Professor of Surgery; Chief of Orthopedics.
University of Rochester, A.B., M.D.

Bohler, Clorinda S.-S., Assistant Professor of Obstetrics-Gynecology; Instructor in Physiology.
University of Buenos Aires, Argentina, B.A., M.D.

Bollet, Alfred Jay, Professor and Chairman, Department of Medicine.
New York University, B.S., M.D.

Botnick, Robert S., Assistant Clinical Professor of Medicine.
Duke University, B.S.; Baylor Medical School, M.D.

Boucher, Louis J., Associate Dean, School of Dentistry; Professor of Prosthodontics.
Marquette University, D.D.S., Ph.D.

Bowen, John B., Associate Clinical Professor of Surgery.
Medical College of Georgia, M.D.

Bowen, John L., Associate Professor of Pediatrics, and Director of Outpatient Services.
University of Georgia, B.S.; Medical College of Georgia, M.D.

Bowers, Donald F., Jr., Associate Professor and Chairman, Department of Pedodontics.
Ohio State University, D.D.S.; Indiana University, M.S.D.

*__Bowles, Lester L.__, Professor of Anatomy and Head of Microanatomy.
Franklin College, A.B.; Indiana University, M.D.

Boyd, William S., Associate Clinical Professor of Obstetrics-Gynecology.
University of Georgia, B.S.; Emory University, M.A.; Medical College of Georgia, M.D.

Brackney, Edwin L., Professor of Surgery.
University of Minnesota, B.A., M.B., Ph.D., M.D.

*__Bragassa, Charles B.__, Director, Computer Center; Assistant Professor of Statistics.
Texas A&M University, B.S., M.S., Ph.D.

Bridges, Bertee, Assistant Professor of Nursing.
Medical College of Georgia, B.S.N.; Indiana University, M.S.N.Ed.

Bridges, H. Benton, Clinical Instructor in Surgery (Orthopedics).
Emory University, A.B.; Medical College of Georgia, M.D.

Bridges, Mercer T., Instructor in Surgery (Orthopedics).
Medical College of Georgia, M.D.

Brizel, Herbert E., Professor and Chief of Radiation Therapy.
Cornell University, A.B.; Northwestern University, M.D.

Brocato, Simone, Clinical Instructor in Medicine.
Loyola University, B.S.; Tulane University, M.D.

Bronstein, Edwin S., Associate Professor of Obstetrics-Gynecology.
State University of New York, A.B.; Downstate Medical Center of New York, M.D.

Brown, Audrey K., Acting Chairman and Professor of Pediatrics.
Barnard College, B.A.; Columbia University, M.A.; Columbia University, College of Physicians & Surgeons, M.D.

Brown, Jessie O., Instructor, Departments of Dental Hygiene and Community Dentistry.
University of Alabama, R.D.H., Medical College of Georgia, B.S.

Brown, Mark D., Professor and Chairman, Department of Radiology; Medical Director, Department of Radiologic Technology.
University of Miami, B.S.; Vanderbilt University, M.D.

Brown, Stephen W., Associate Clinical Professor of Radiology.
Louisiana State University, B.S., M.D.

Brown, Walter J., Jr., Associate Professor of Medicine.
Brown University, A.B.; University of Rhode Island, M.S.; Medical College of Georgia, M.D.

*__Brownell, George H.__, Assistant Professor of Microbiology.
University of Minnesota, B.A.; University of South Dakota, M.A., Ph.D.

Brucker, Paul J., Assistant Professor of Dental Education, Division of Health Communications.
College of William and Mary, A.B.; Indiana University, M.S., Ed.D.

Bruns, William L., Jr., Clinical Instructor in Obstetrics-Gynecology.
The Citadel, B.S., M.S.; Medical College of South Carolina, M.D.

Bryans, C. Iverson, Jr., Professor of Obstetrics-Gynecology.
University of Georgia, B.S.; Medical College of Georgia, M.D.

Burgamy, Clyde A., Clinical Instructor in Obstetrics-Gynecology.
Emory University; Medical College of Georgia, M.D.

*__Burnett, George W.__, Professor of Microbiology; Coordinator of Microbiology for Dentistry.
Texas Technological College, B.A.; University of Texas, M.A.; Washington University, D.D.S.; University of Rochester, Ph.D.

Burroughs, Gerald W., Associate Professor of Psychiatry.
University of Georgia, B.S.; Medical College of Georgia, M.D.

Butler, James H., Instructor in Psychiatry.
University of Georgia, Ph.D.; East Carolina University, M.A., D.A.

Byne, J. Miller, Jr., Associate Clinical Professor of Medicine.
Medical College of Georgia, M.D.

*__Byrd J. Rogers__, Assistant Professor of Endocrinology.
Wake Forest College, B.S.; University of Michigan, M.A., Ph.D.

Caldwell, Joseph L., Jr., Clinical Instructor in Surgery.
Medical College of Georgia, M.D.

Capers, Emily S., Assistant Professor of Medical-Surgical Nursing.
University of Georgia, B.S.N.E.; Emory University, M.N.

Carlton, William H., Assistant Professor of Radiology.
Emory University, B.S., M.S.; Rutgers University, Ph.D.

Carr, Albert A., Associate Professor of Medicine; Director of the Clinical Investigation Unit.
University of Virginia, B.A., M.D.

Carr, Wesley A., Assistant Clinical Professor of Oral Surgery and Surgery.
University of Georgia, B.S.; Southern Dental College, D.D.S.

Carrington, Kenneth W., Clinical Instructor in Surgery (Neurosurgery).
Virginia Military Institute, A.B.; University of Pennsylvania, M.D.

Carswell, Augustin S., Clinical Instructor in Surgery (Orthopedics).
Georgia Teachers College, B.S.Ed.; Medical College of Georgia, M.D.

Carter, Curtis H., Associate Dean, School of Medicine, Professor of Medicine.
University of Georgia, B.S.; Medical College of Georgia, M.D.

Carter, Mary J., Assistant Professor in Medicine.
Baylor University, B.S.; Bowman Gray School of Medicine, M.D.

Chambers, R. Gerald, Instructor in Psychiatry.
North Georgia College, B.S.; Medical College of Georgia, M.D.

Chandler, A. Bleakley, Professor of Pathology.
Medical College of Georgia, M.D.

Chandler, John L., Associate Clinical Professor of Surgery (Orthopedics).
Alabama University, B.A.; Medical College of Georgia, M.D.

Chew, William H., Jr., Associate Professor of Medicine, Chief of Infectious Diseases.
Medical College of Georgia, M.D.

Christian, Joe David, Jr., Instructor in Surgery. (Orthopedics).
University of Georgia, B.S.; Medical College of Virginia, M.D.

Clark, Sarah L., Assistant Clinical Professor of Medicine and Endocrinology.
Brenau College, A.B.; Western Reserve University, M.S.; Medical College of Georgia, M.D.

Clary, Thomas L., Jr., Assistant Clinical Professor of Medicine.
University of Georgia, B.S.; Medical College of Georgia, M.D.

Clay, Cassius M., Assistant Professor of Radiology.
Massachusetts Institute of Technology, B.S., M.S.

Cleckley, Hervey M., Clinical Professor of Psychiatry.
University of Georgia, B.S.; Oxford University, B.A.; Medical College of Georgia, M.D.

Clements, James D., Assistant Clinical Professor of Pediatrics.
Emory University, B.A.; Medical College of Georgia, M.D.

Coleman, Blanche D., Clinical Instructor in Obstetrics-Gynecology.
Wesleyan College, A.B.; Mercer University, M.S.Ed.; Medical College of Georgia, M.D.

Collings, Harold, Jr., Professor and Chief of Neurology.
Harvard University, M.D.

Collins, Joyce S., Instructor in Neurology.
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